

FIG. 1

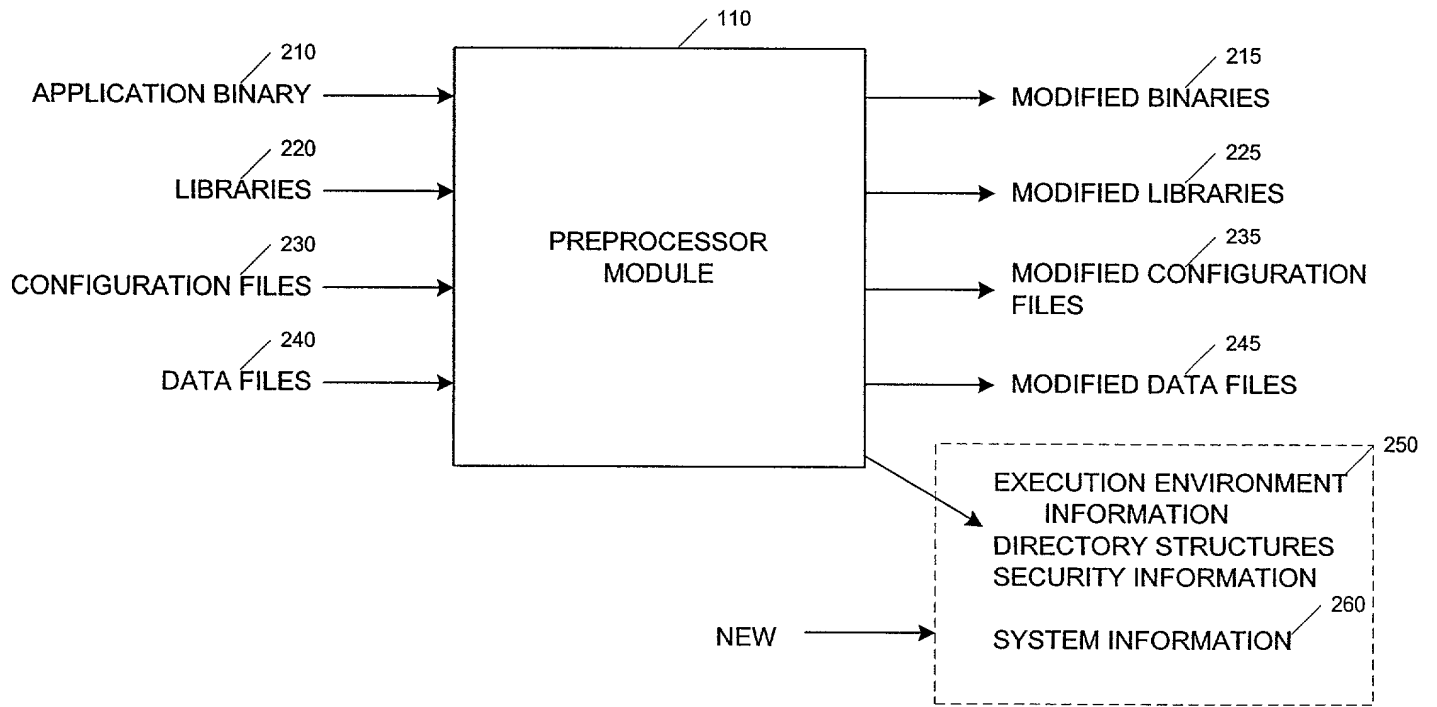


FIG. 2

NORMAL EXECUTION

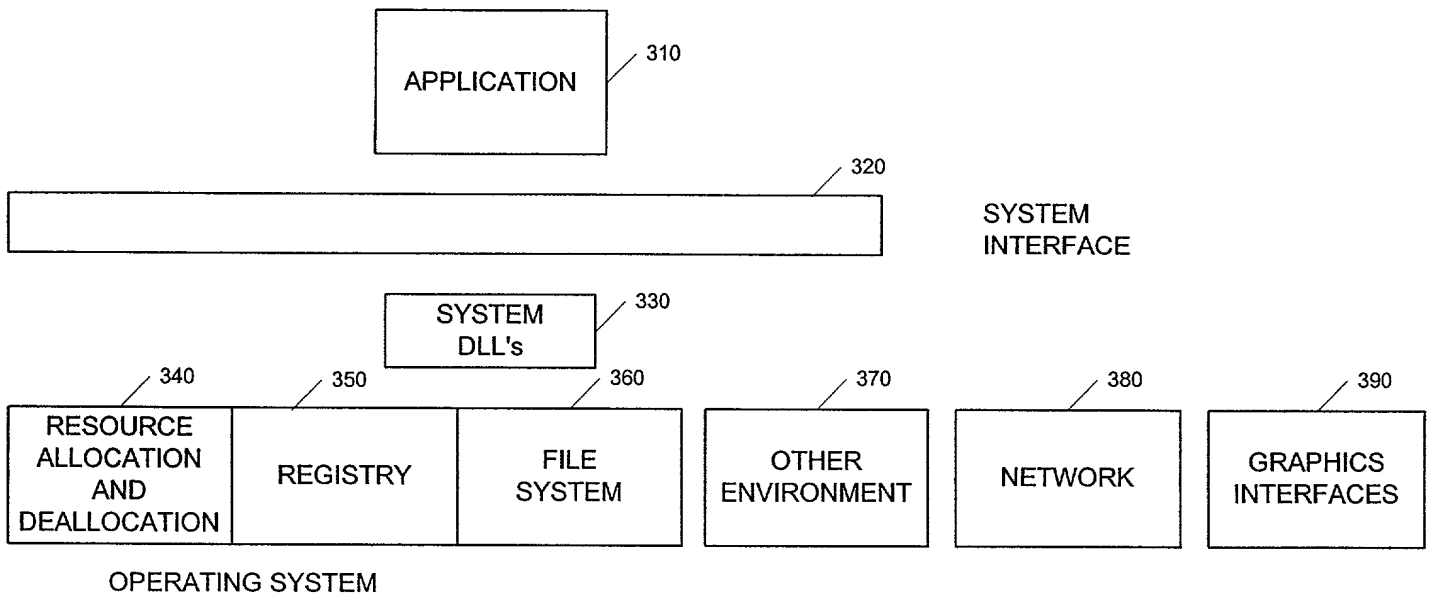


FIG. 3

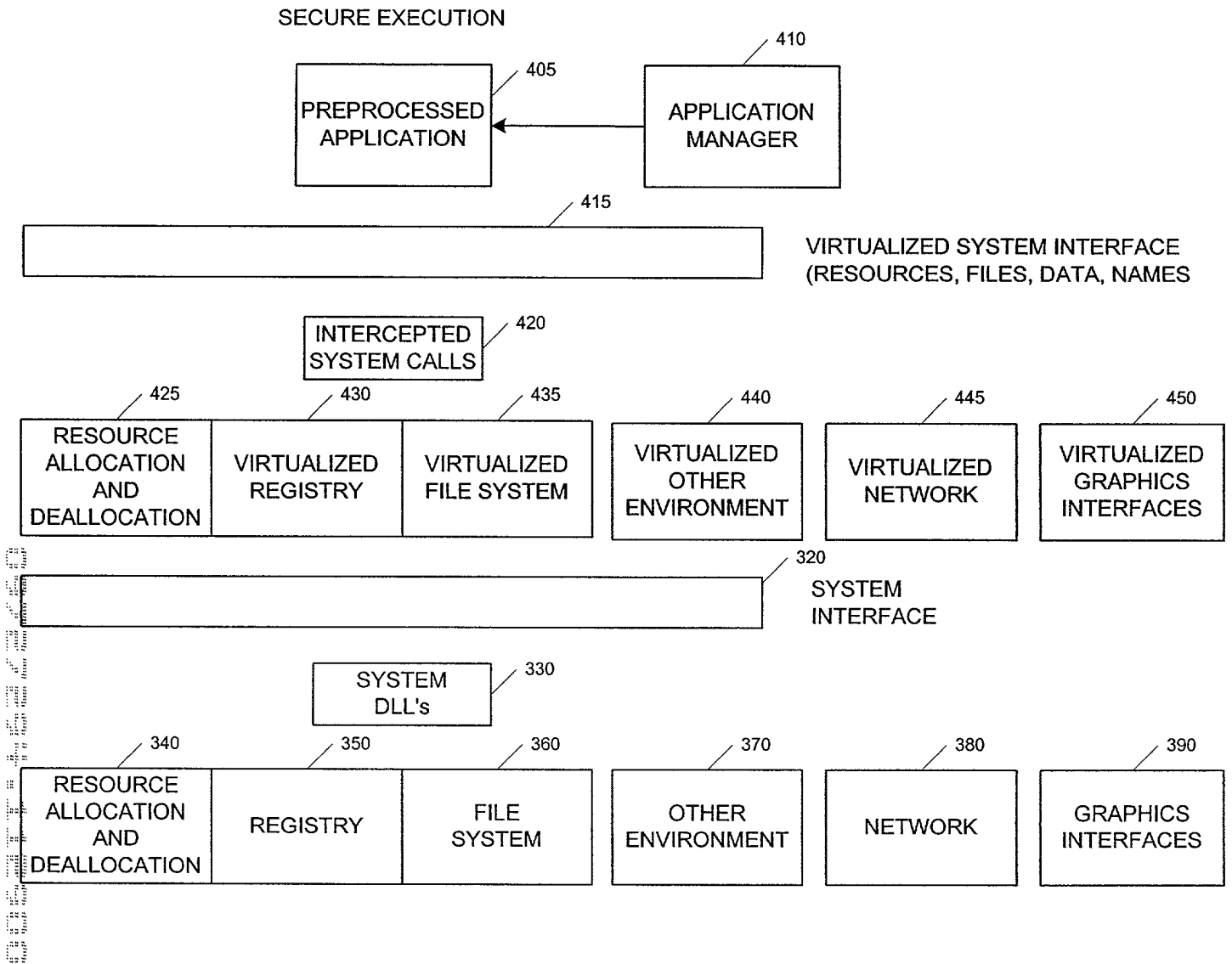


FIG. 4

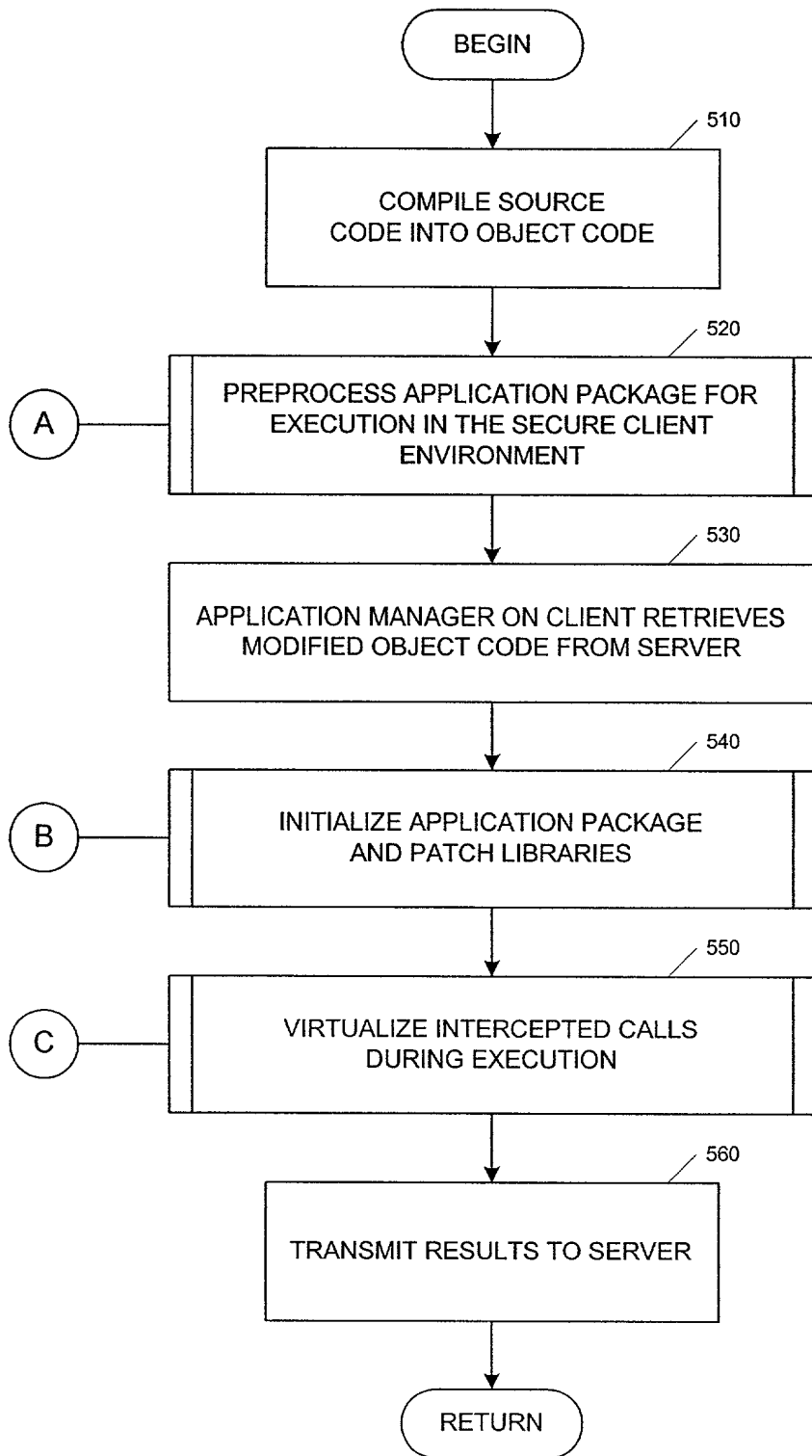


FIG. 5

A 520

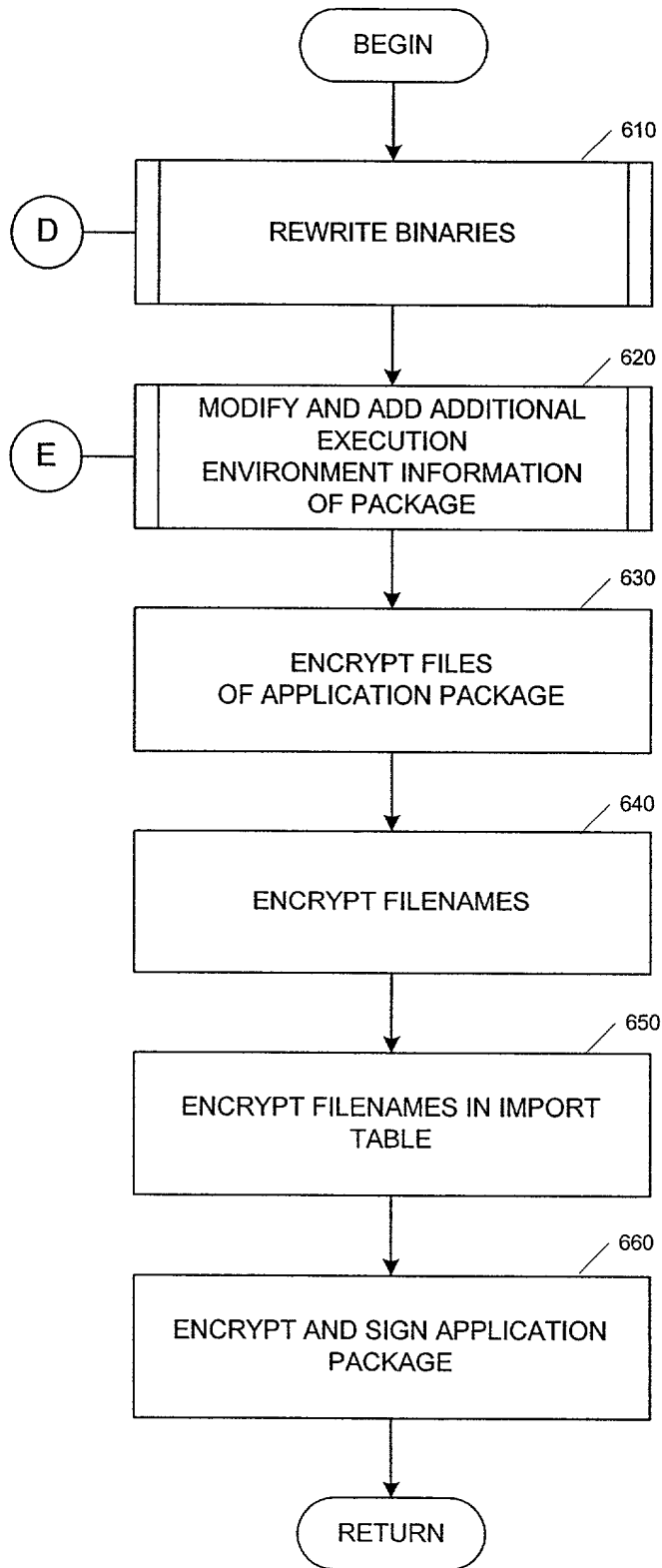


FIG. 6

D 610

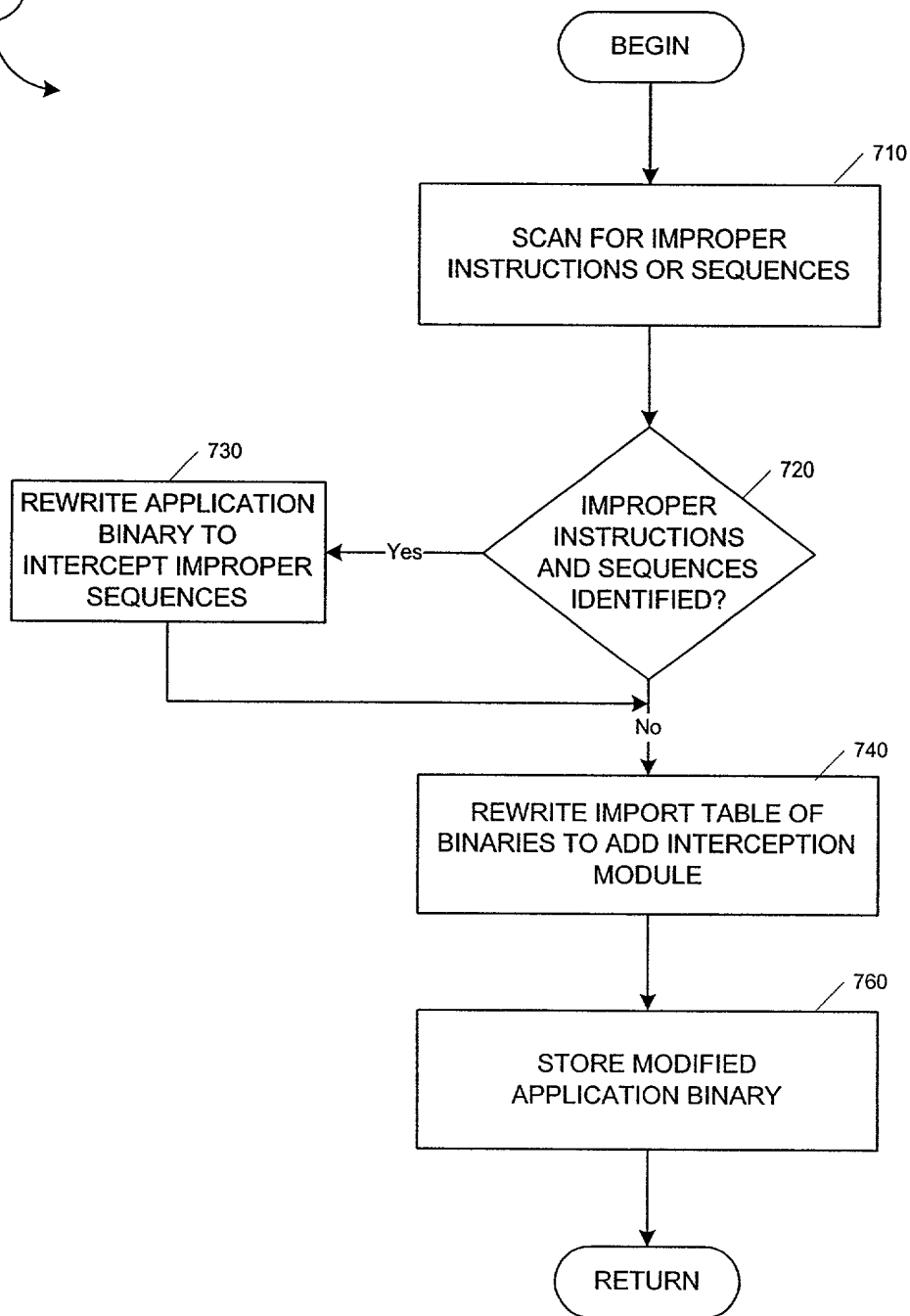


FIG. 7

E 620

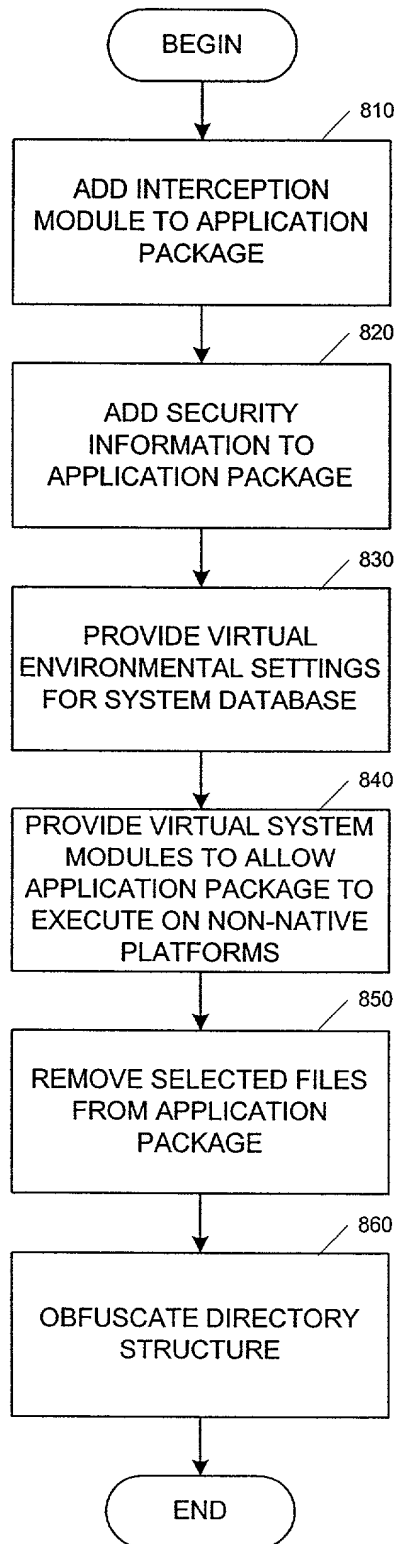


FIG. 8

B 540

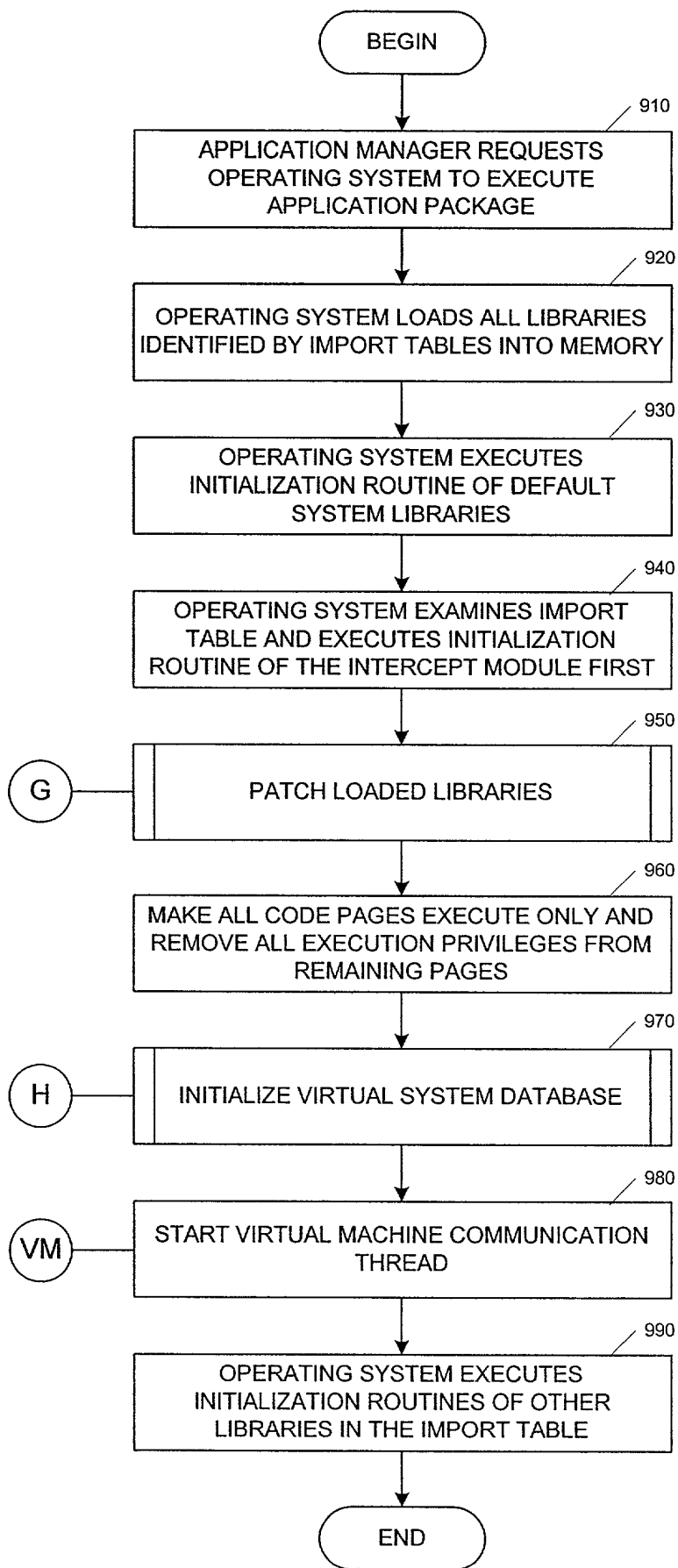


FIG. 9

G 950

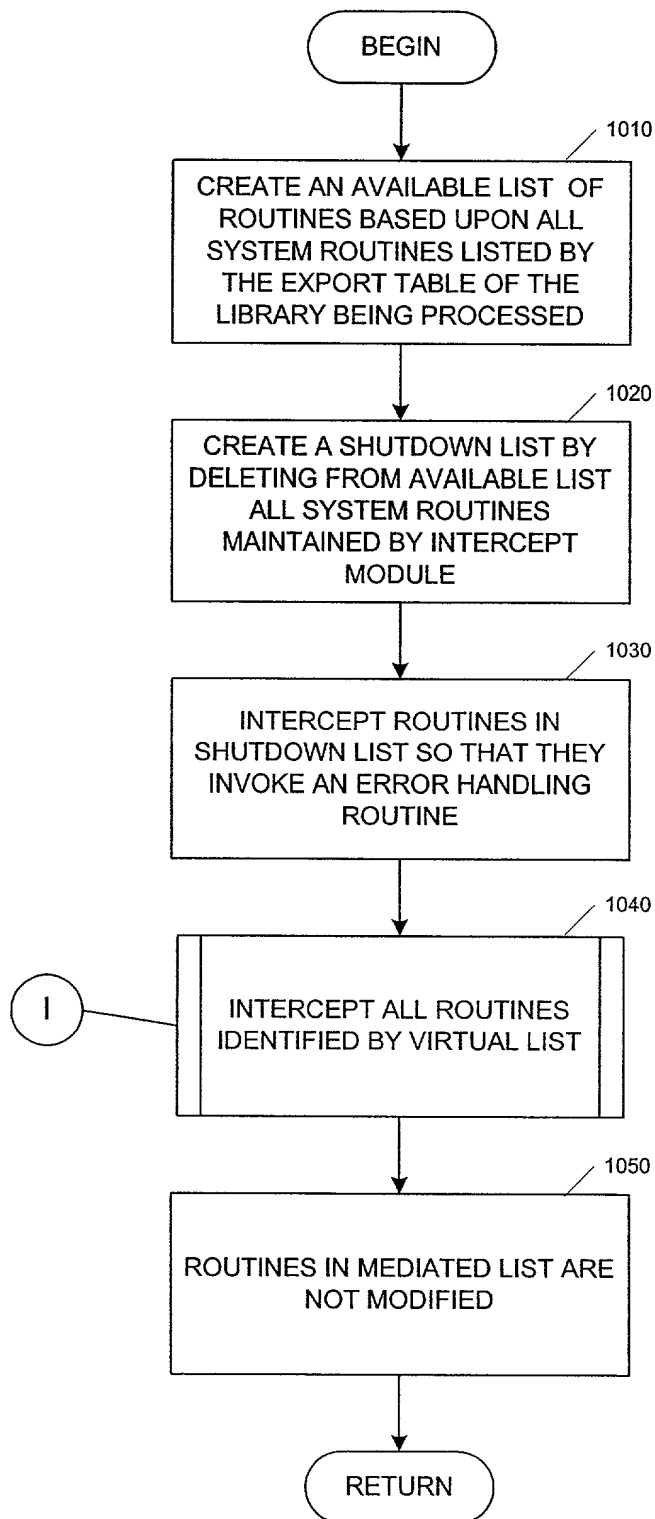


FIG. 10

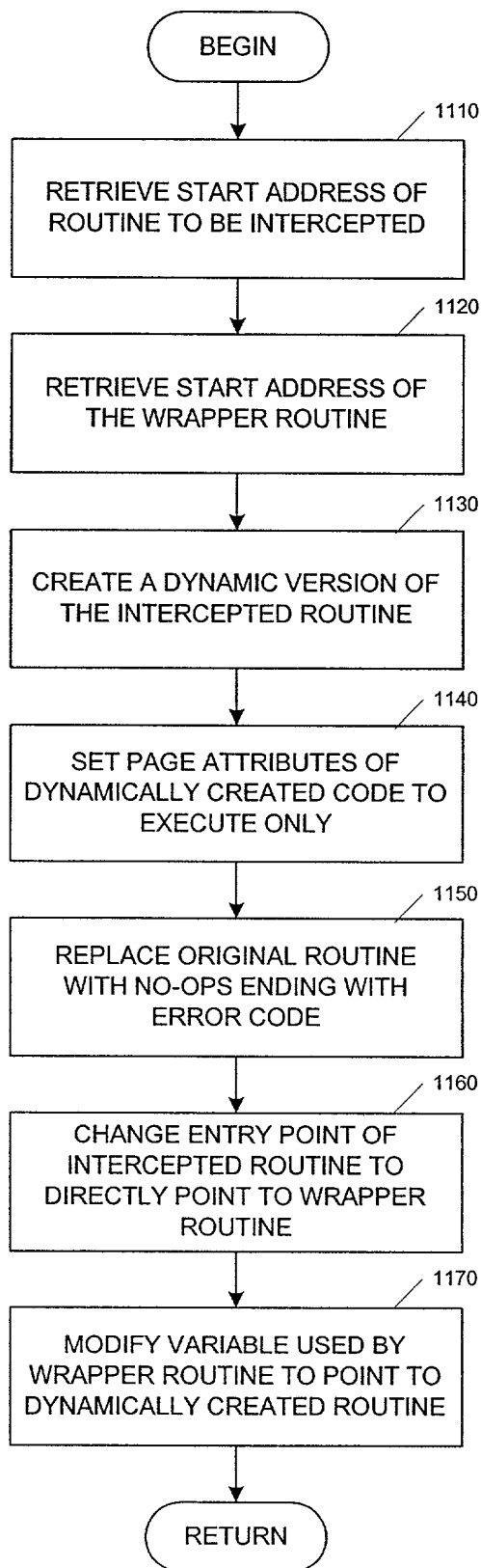


FIG. 11

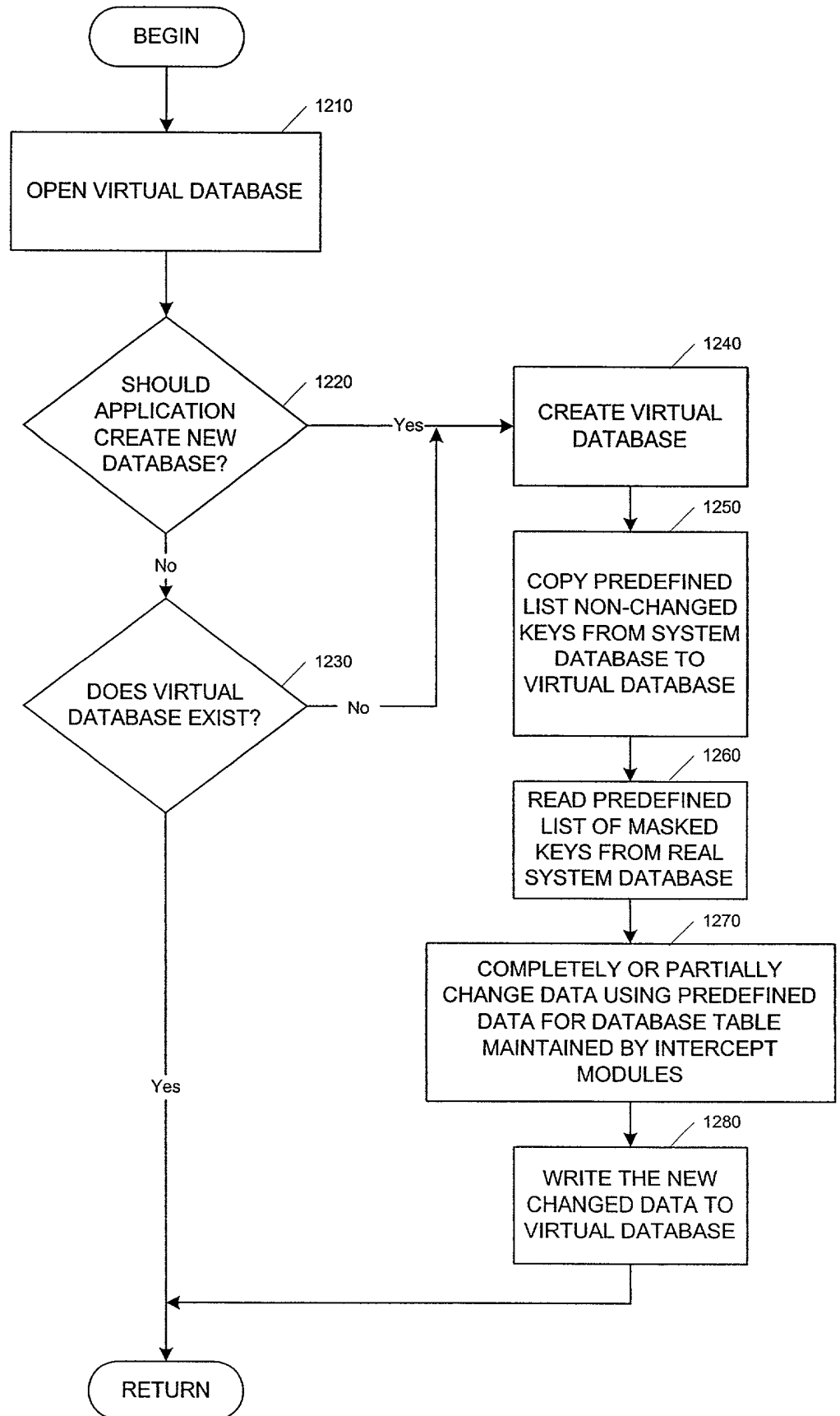


FIG. 12

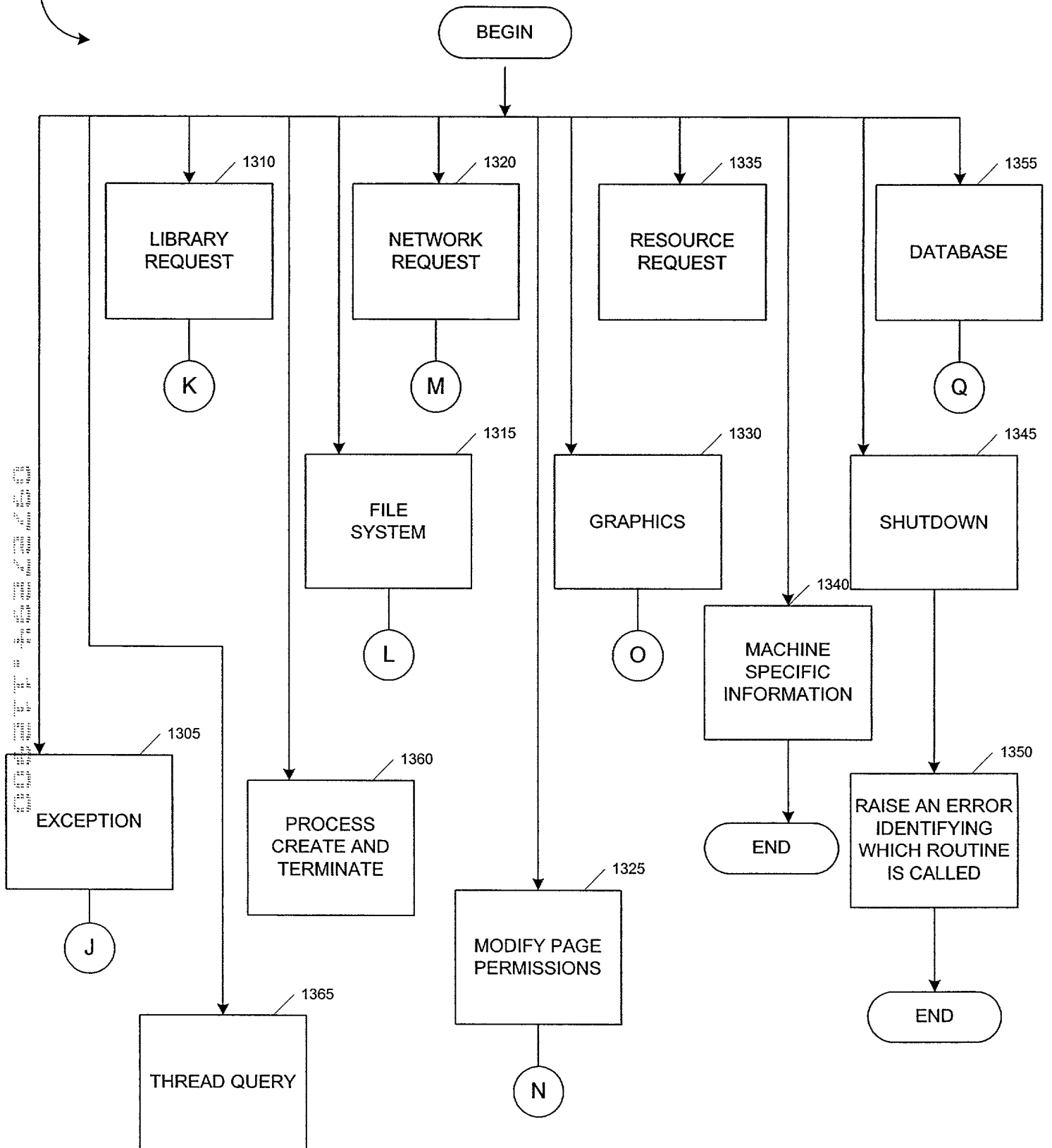


FIG. 13

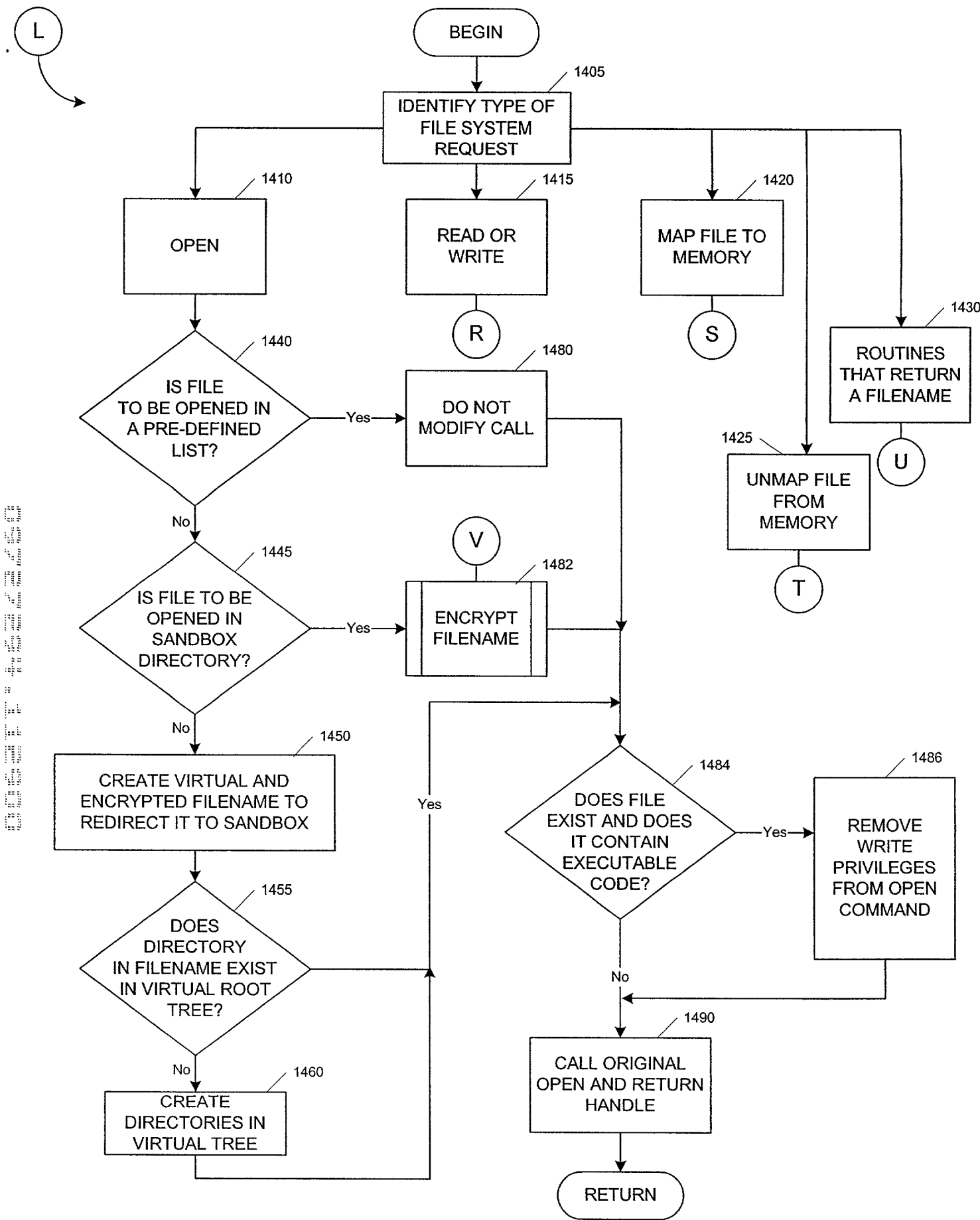


FIG. 14

J

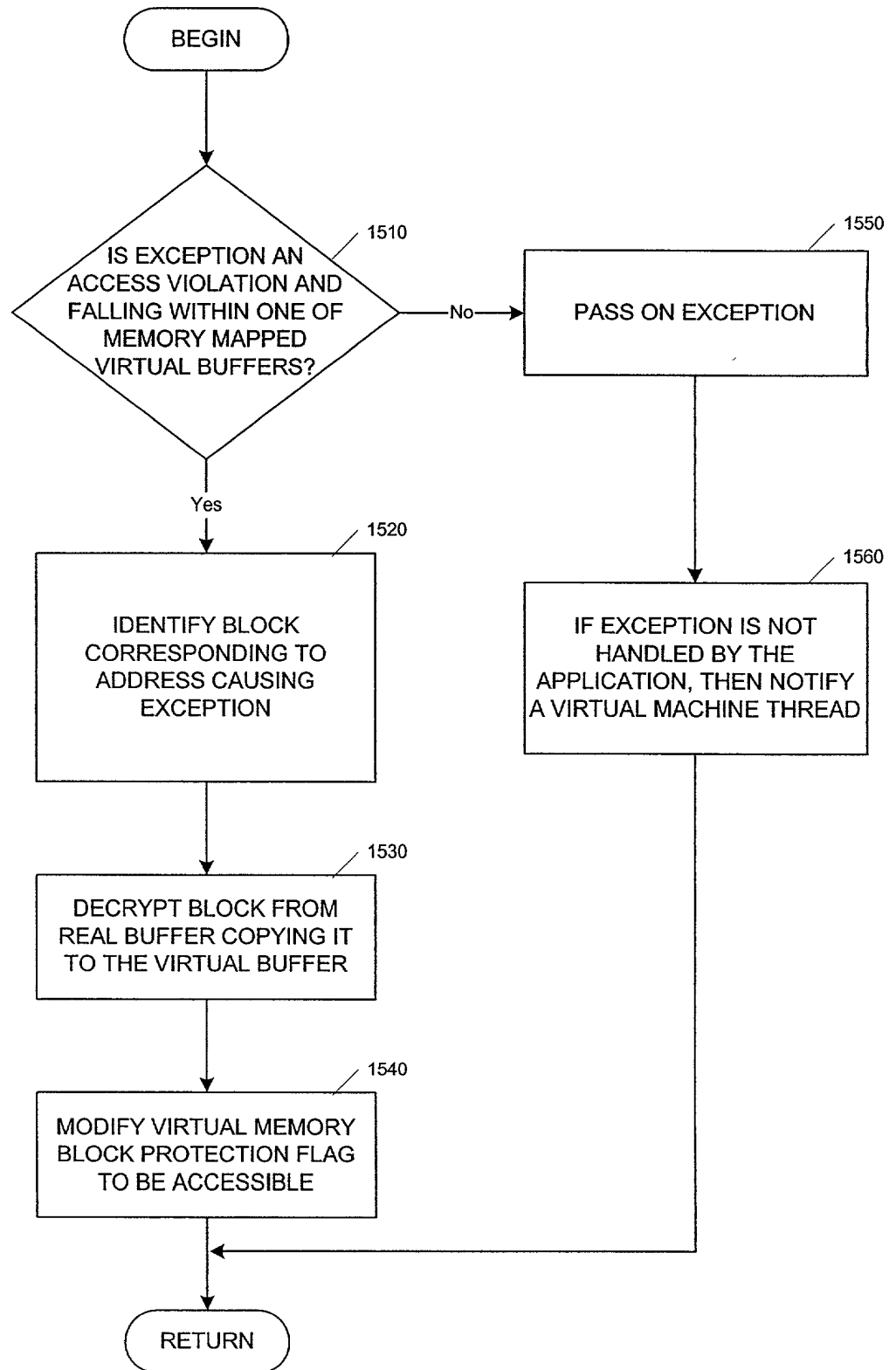


FIG. 15

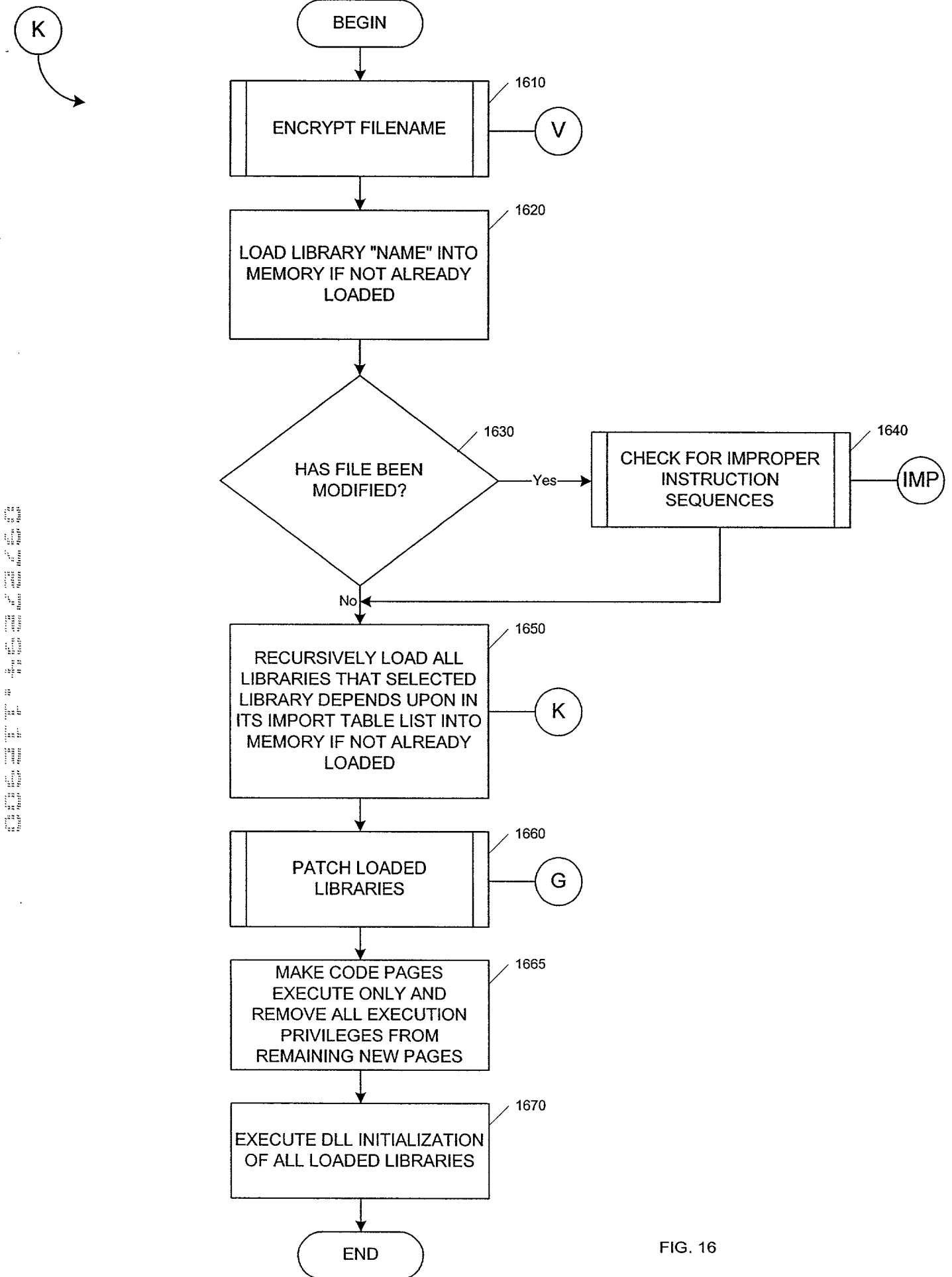


FIG. 16

IMP

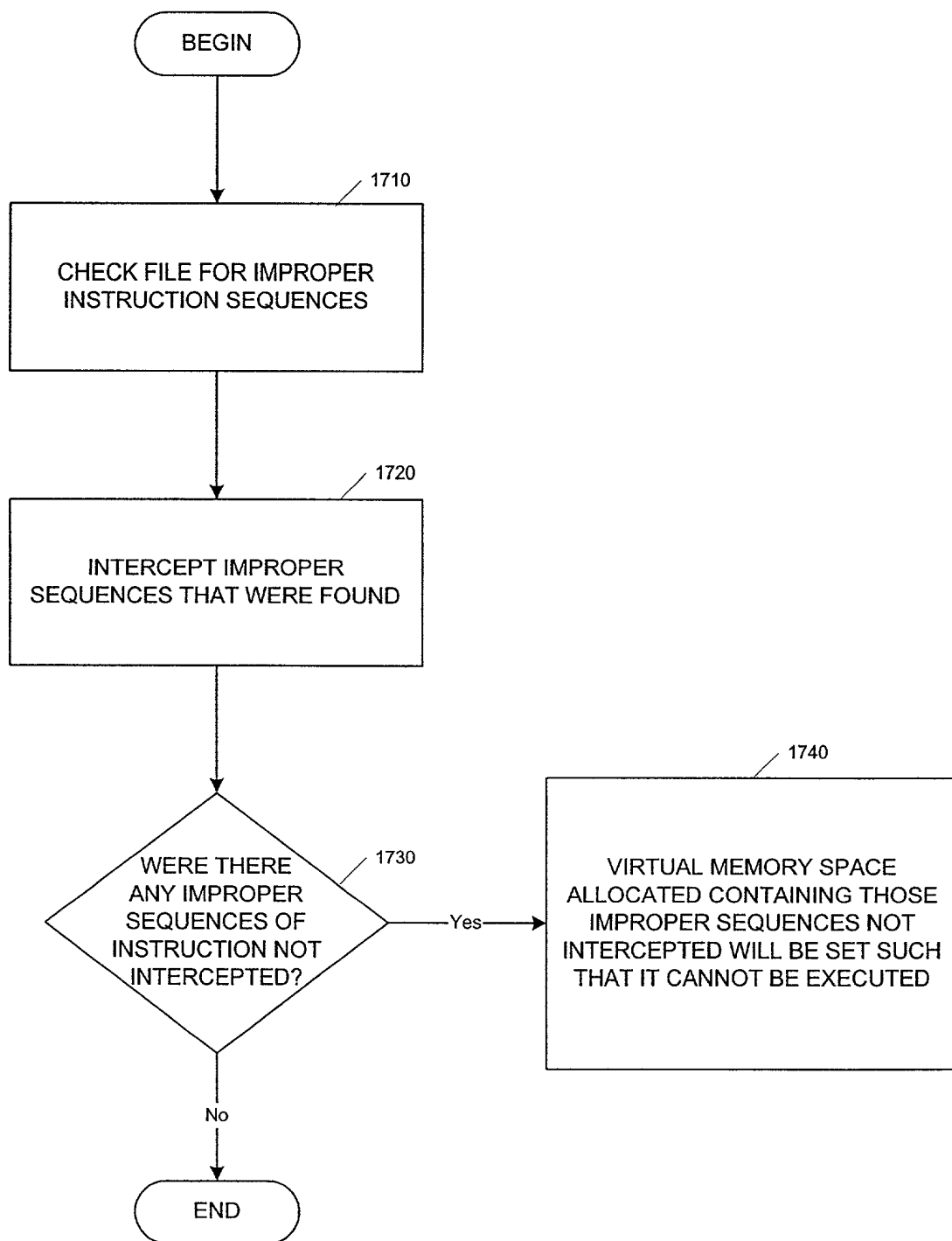


FIG. 17

M

1805 1815 1825 1835 1845 1855 1865 1810 1820 1830 1840 1850 1860 1870

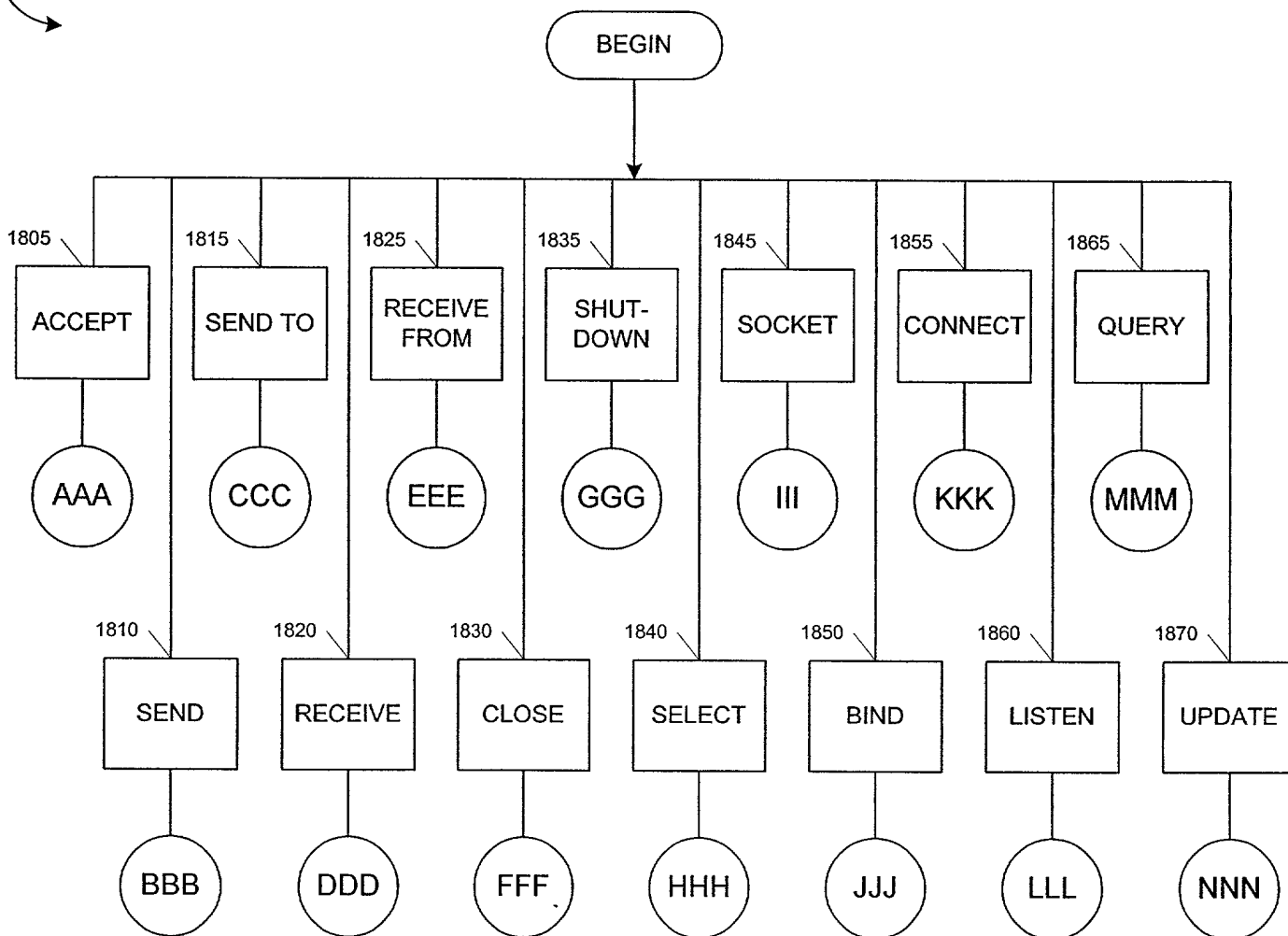


FIG. 18

AAA

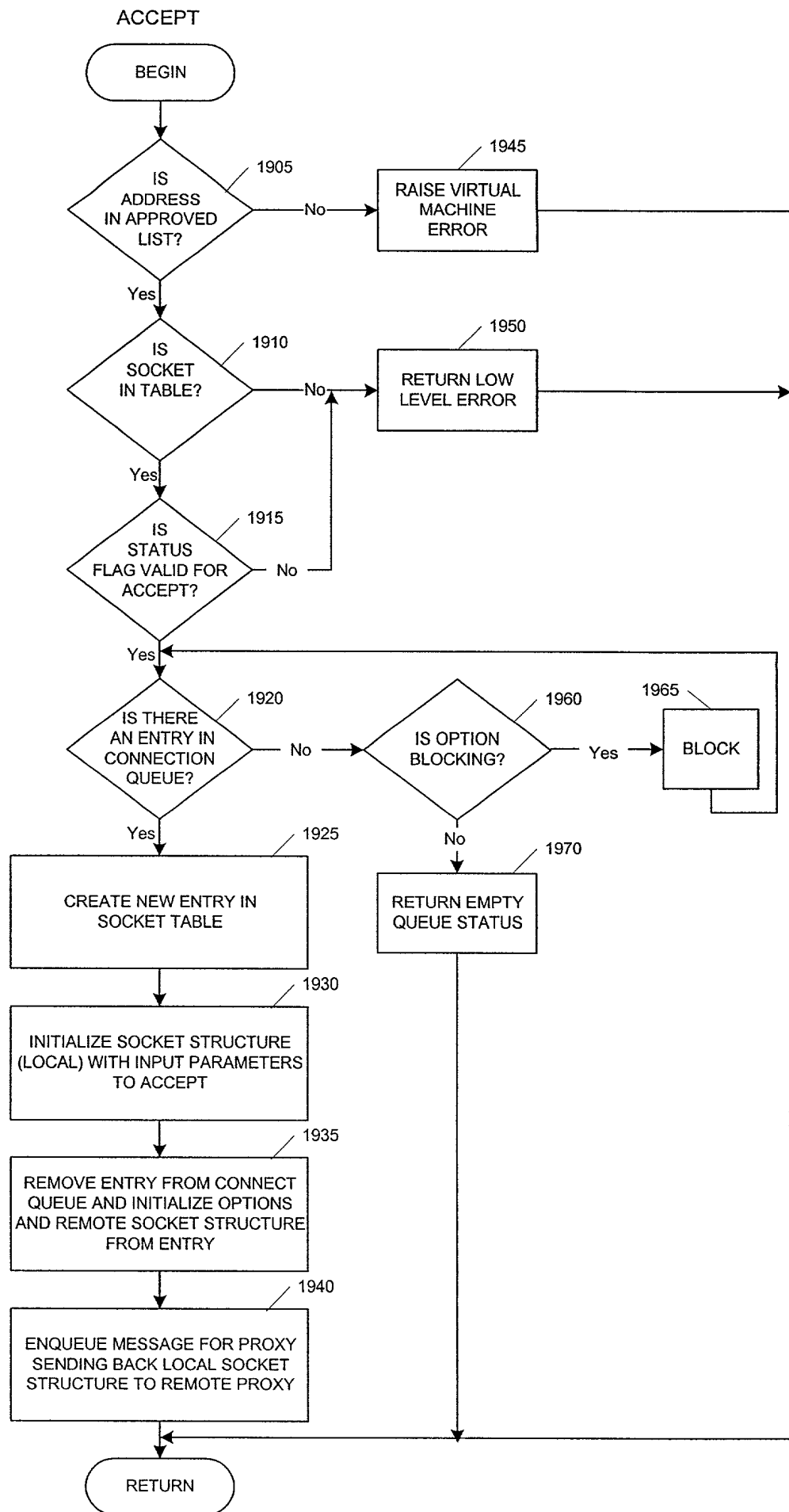


FIG. 19

BBB

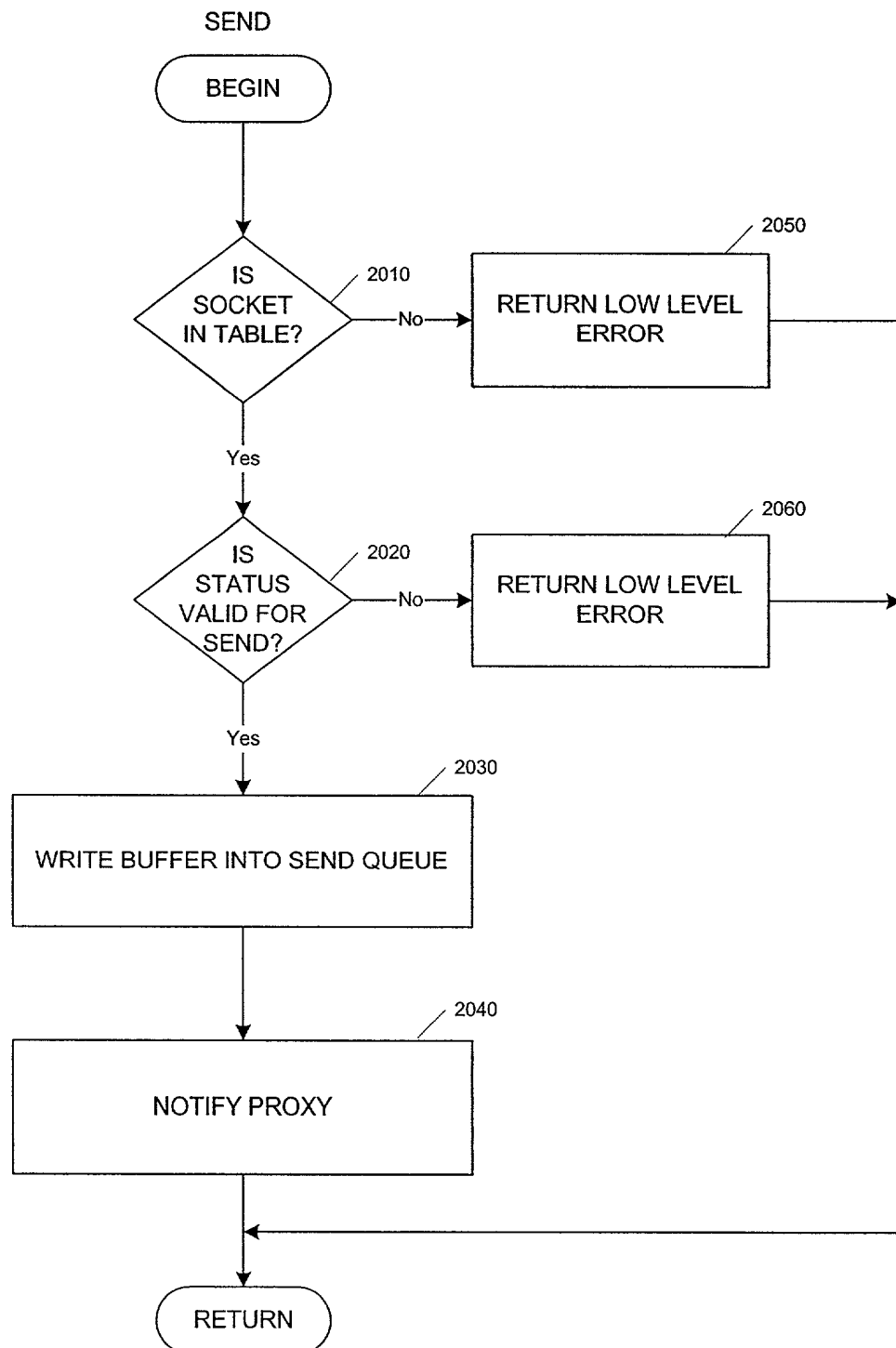


FIG. 20

CCC

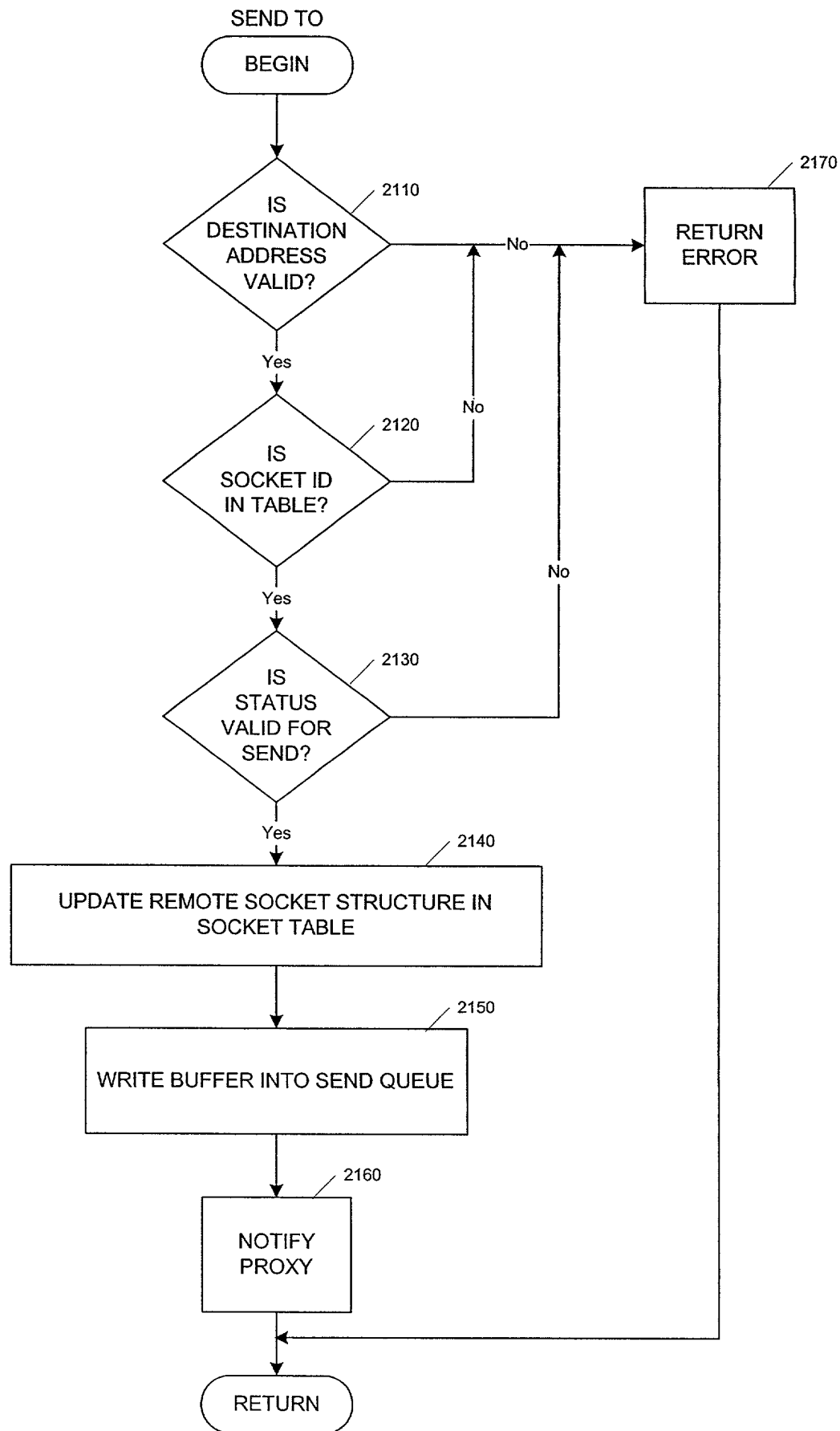


FIG. 21

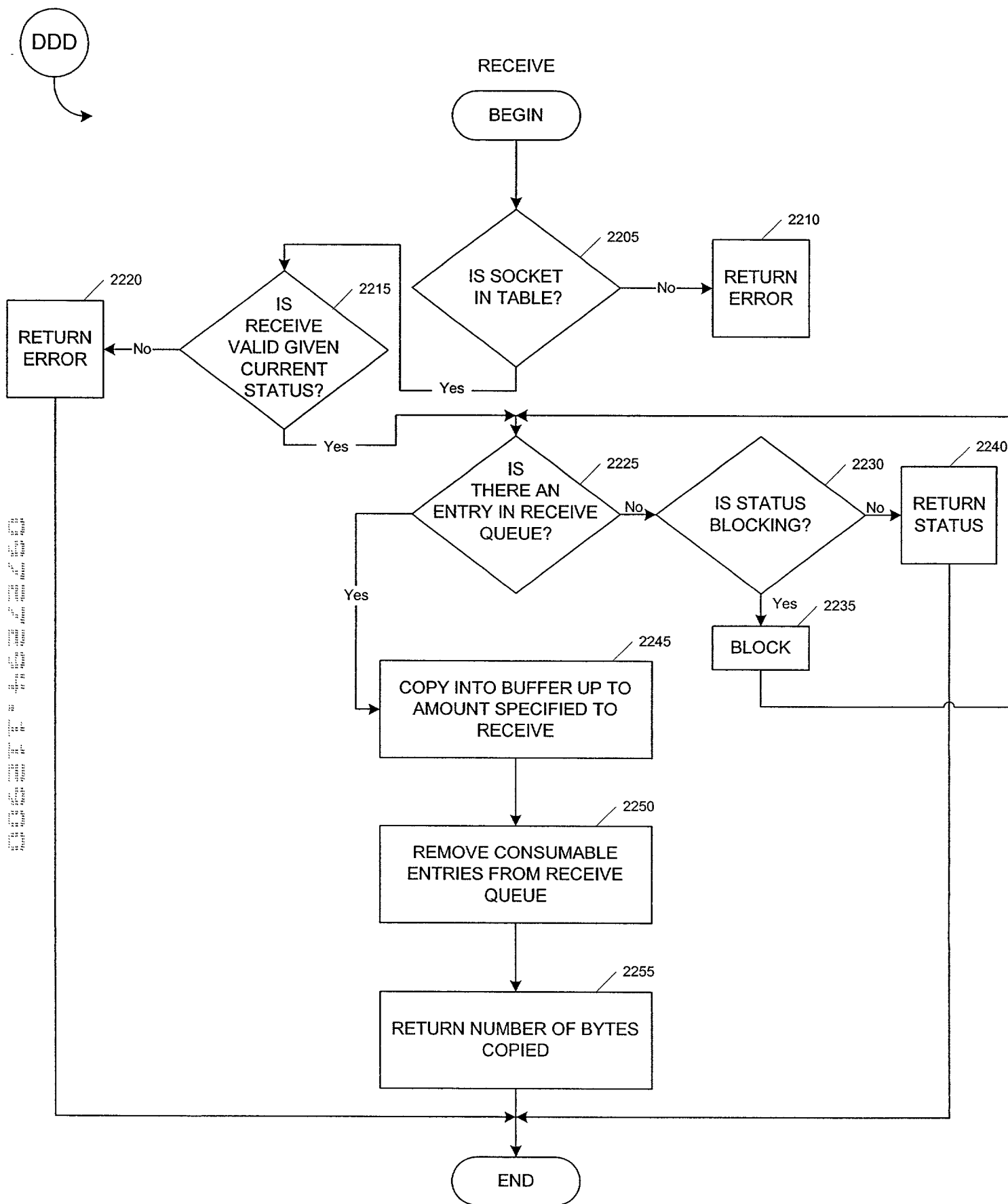


FIG. 22

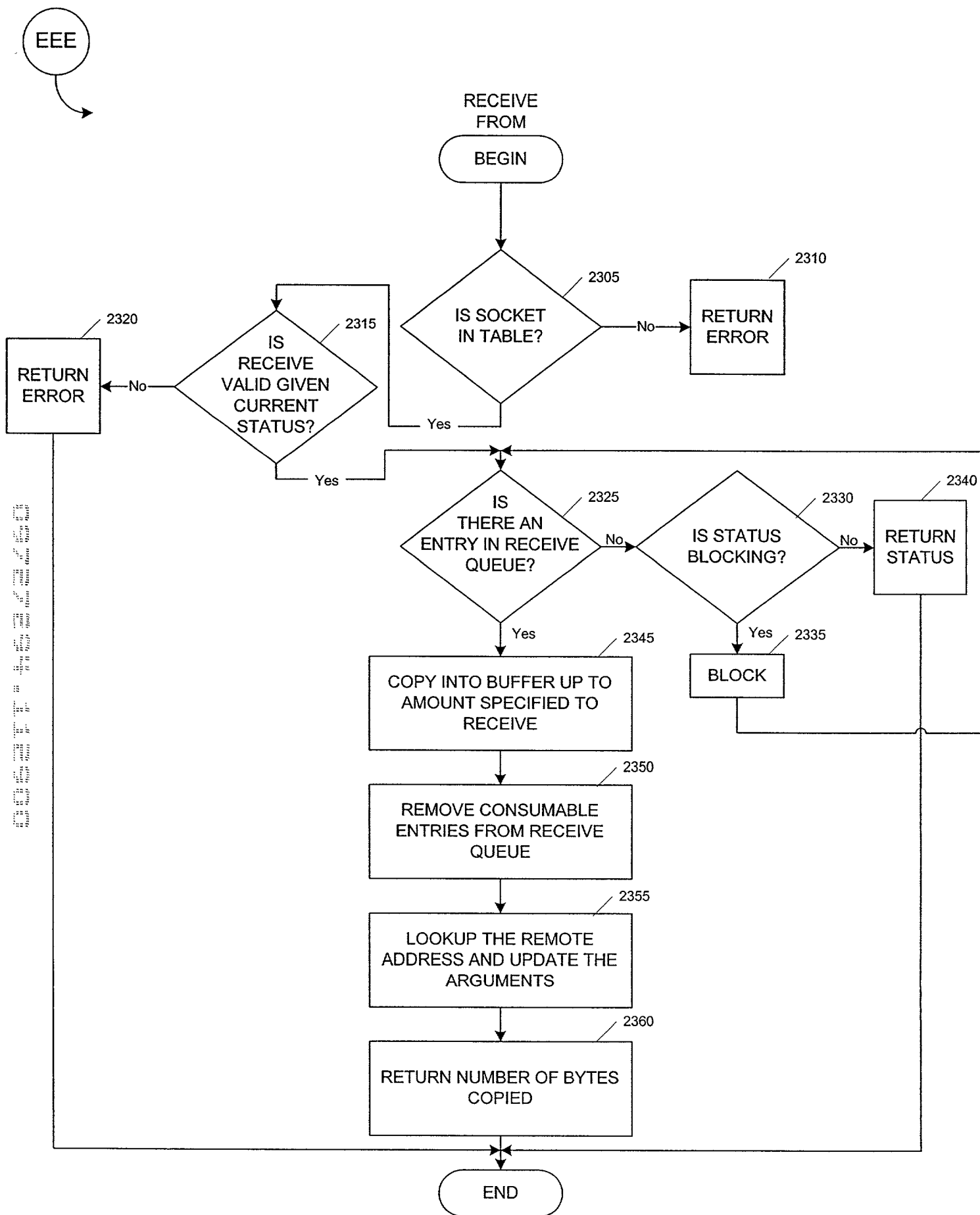


FIG. 23

FFF

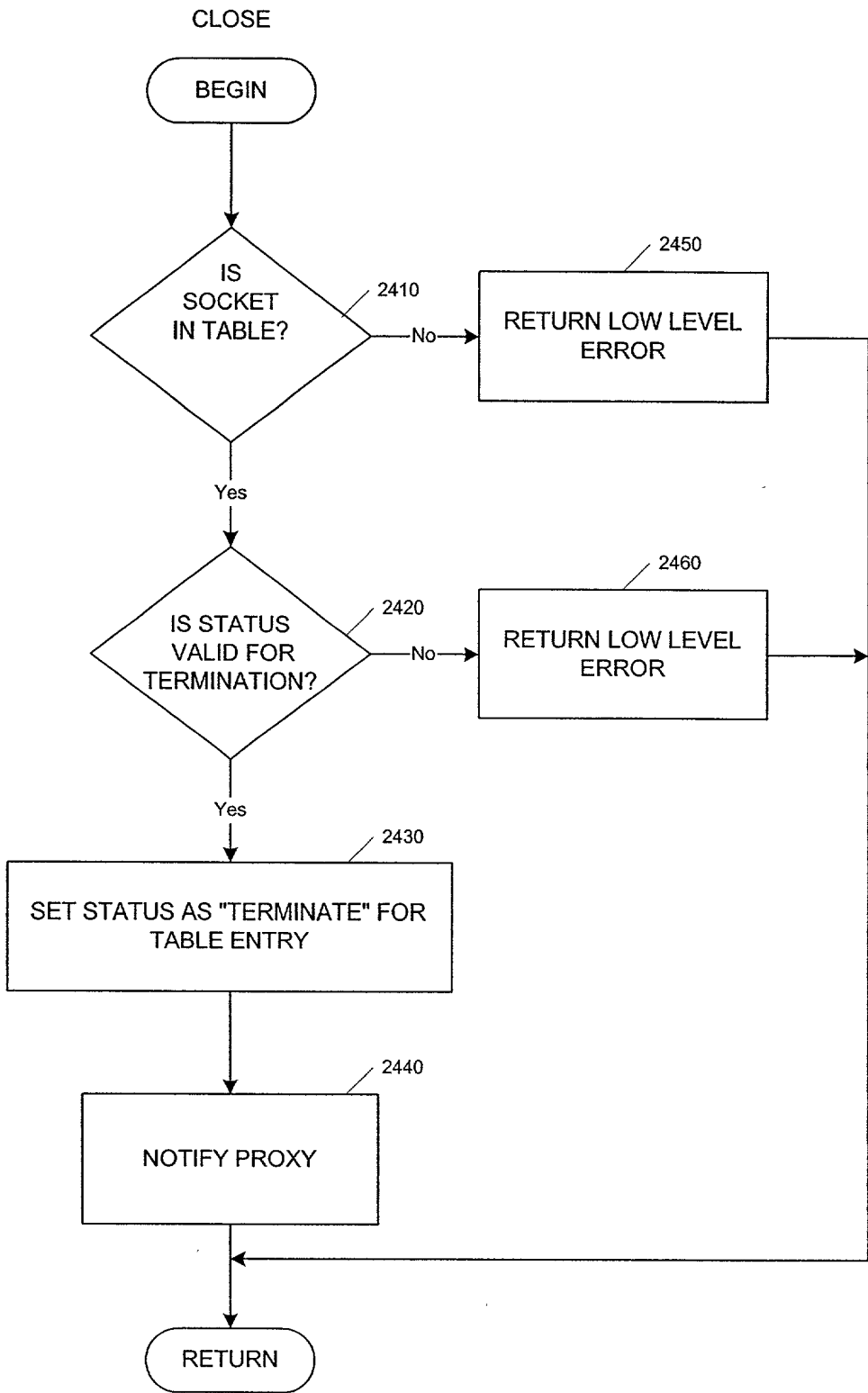


FIG. 24

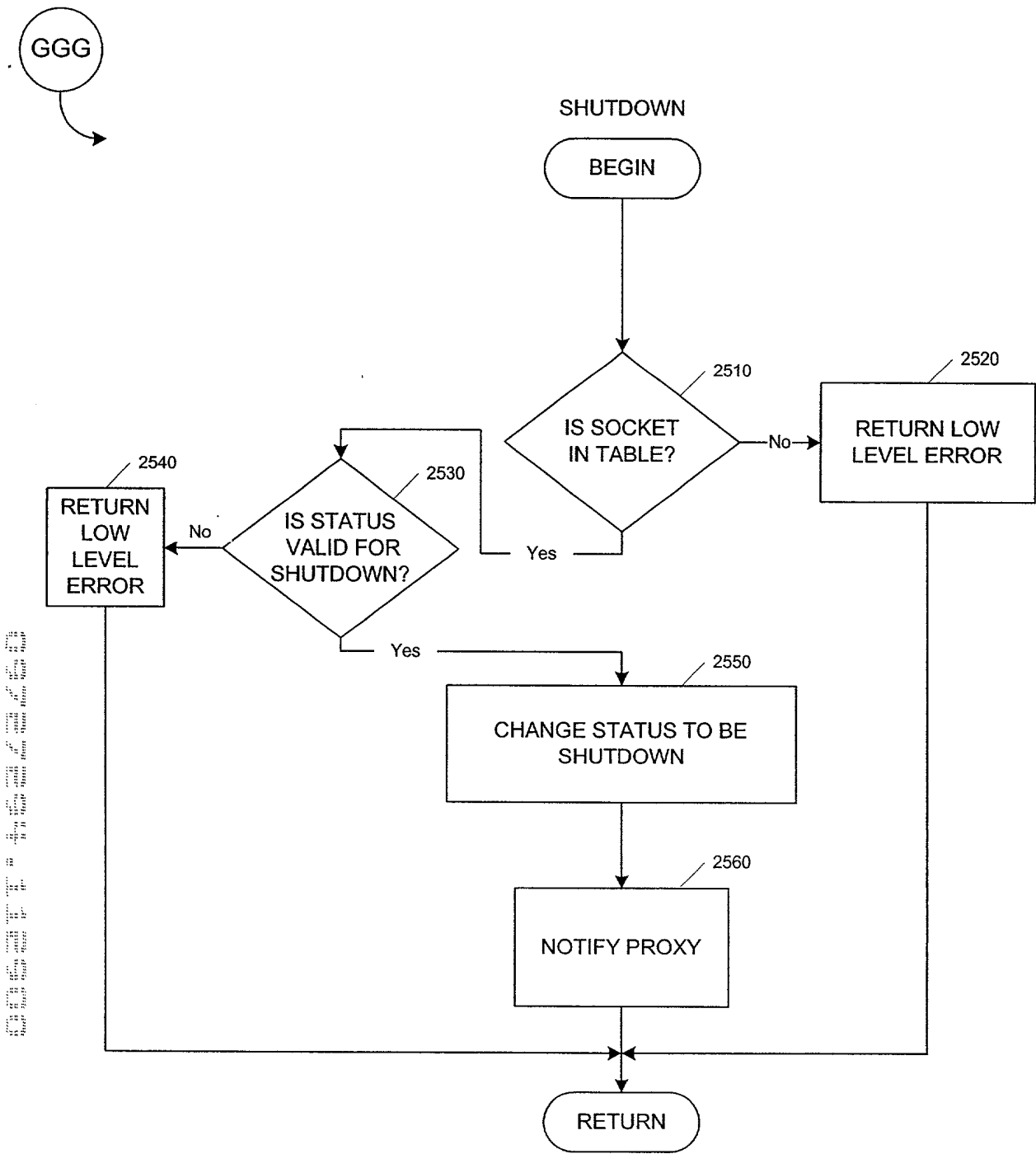
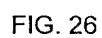


FIG. 25

[illegible]

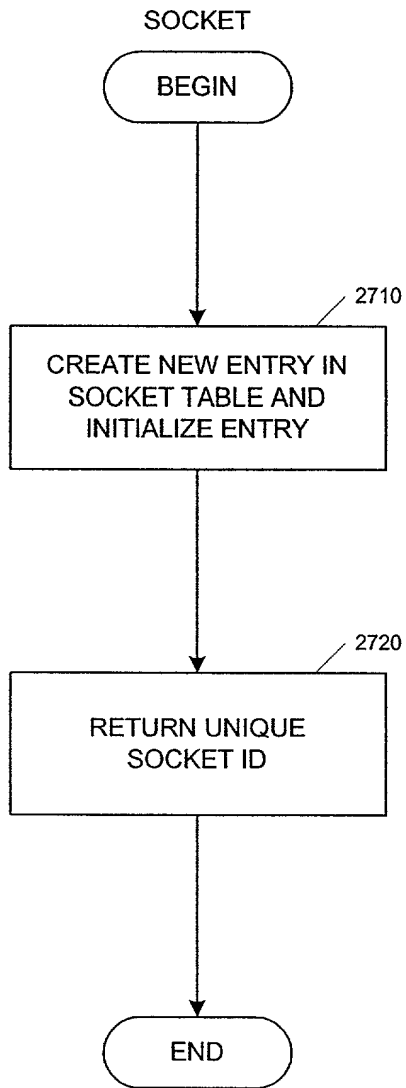
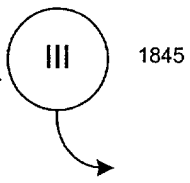


FIG. 27

JJJ

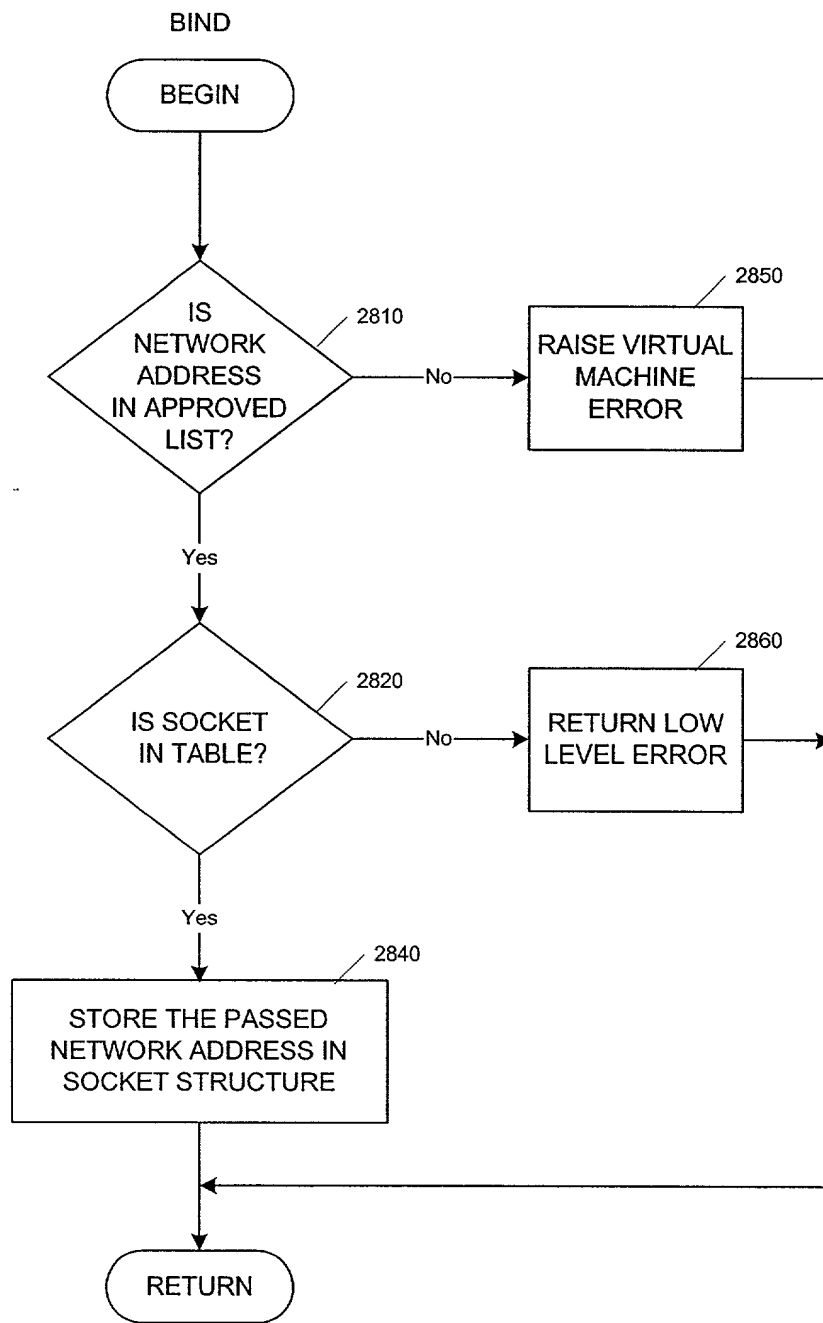


FIG. 28

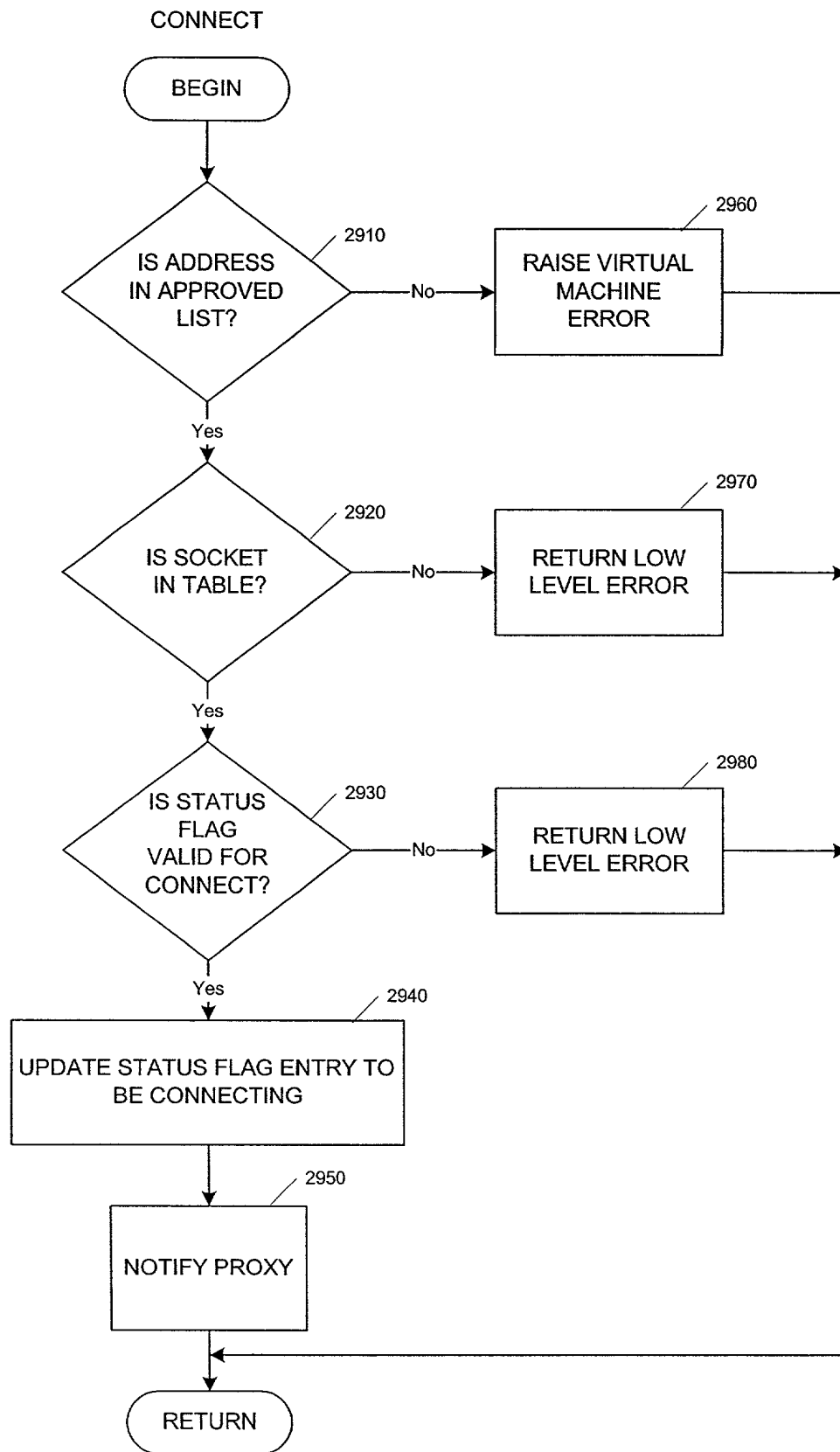


FIG. 29

LLL

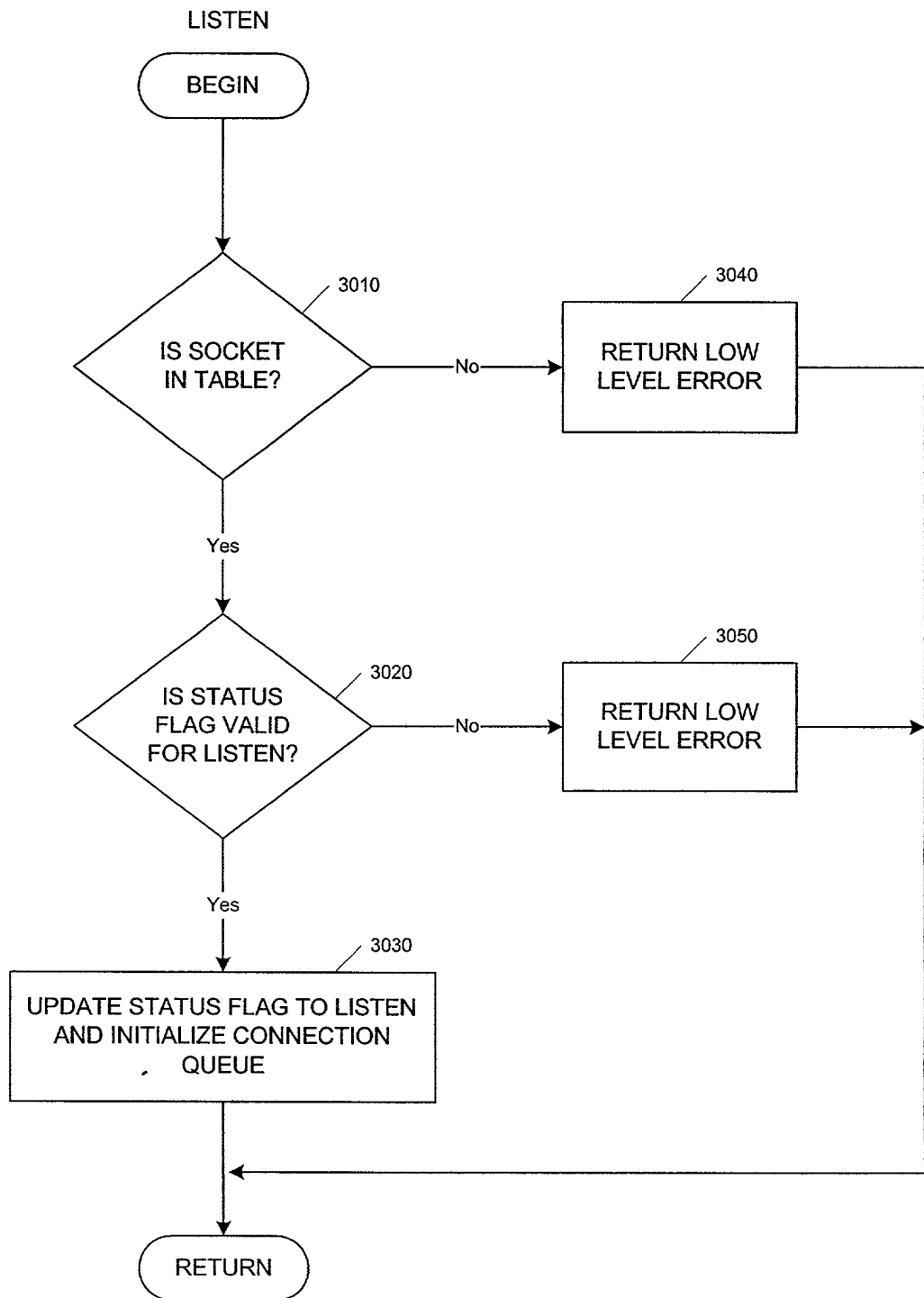


FIG. 30

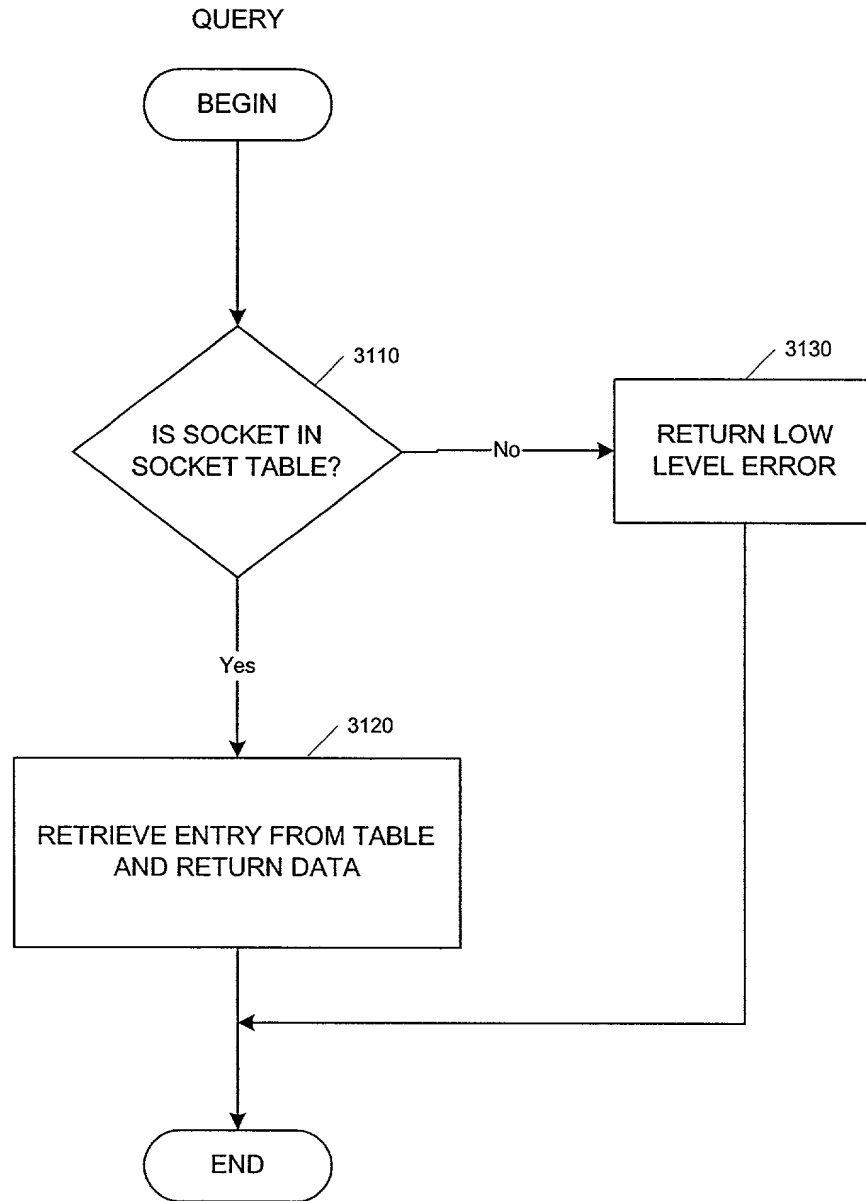


FIG. 31

NNN

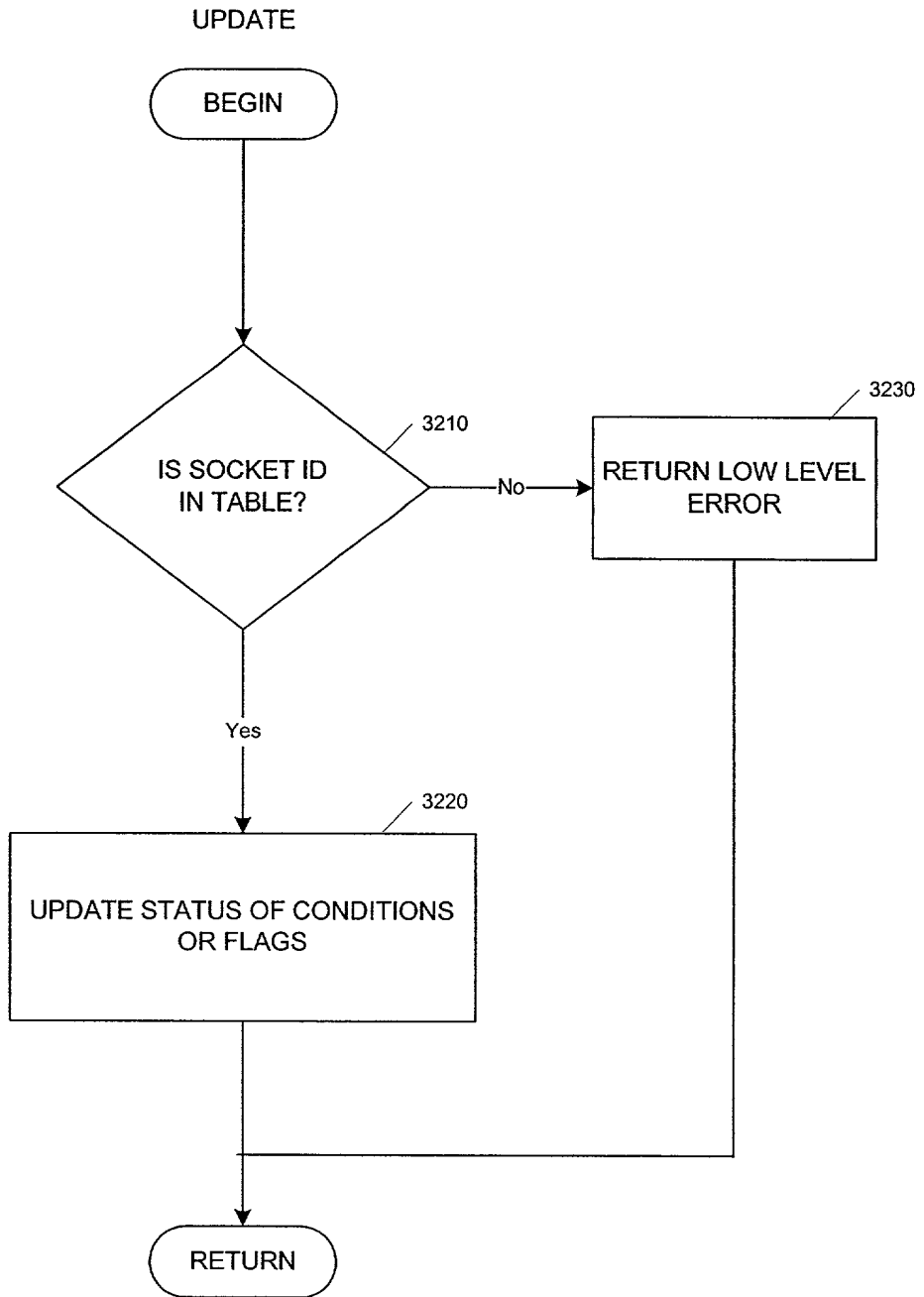


FIG. 32

N

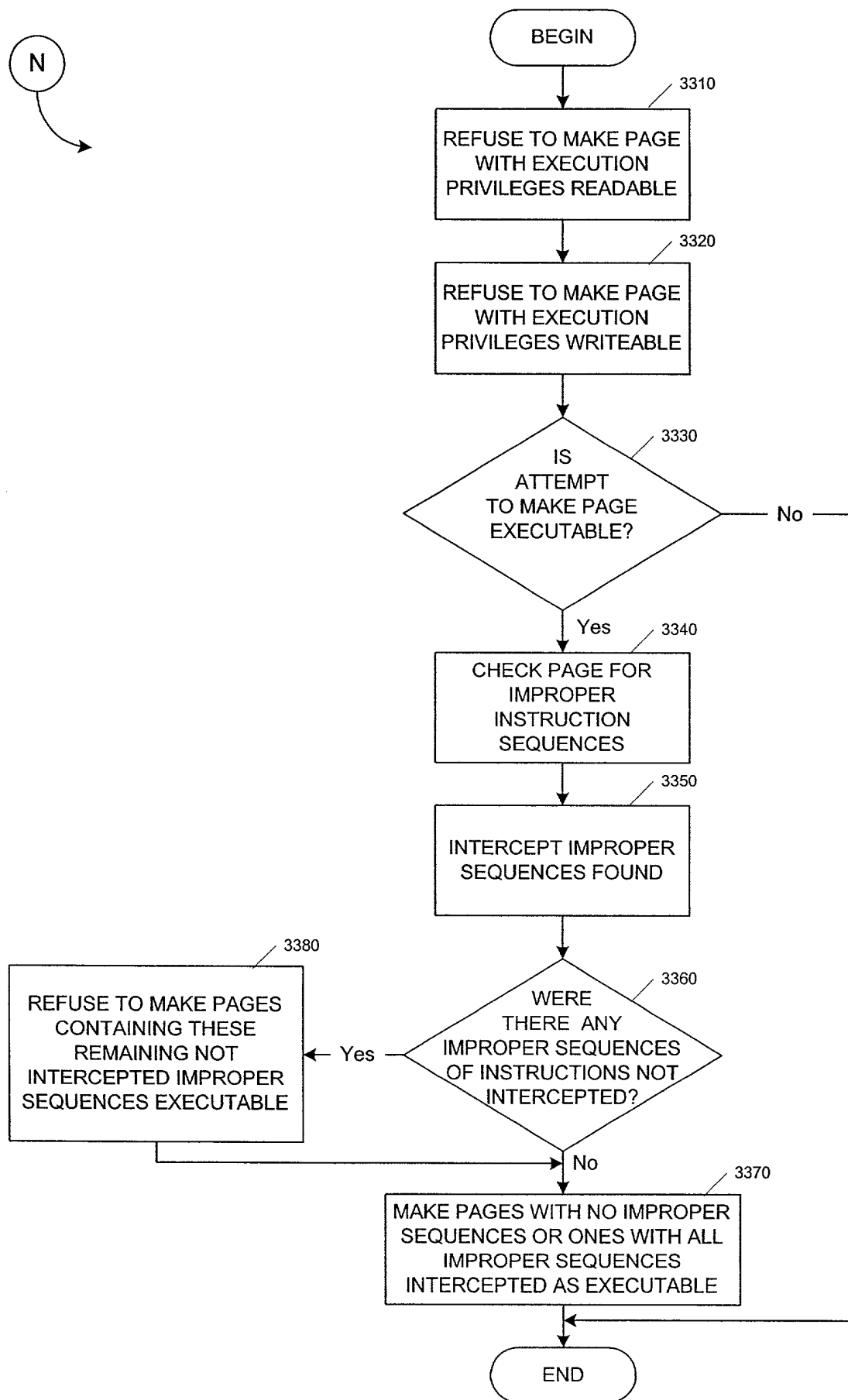


FIG. 33

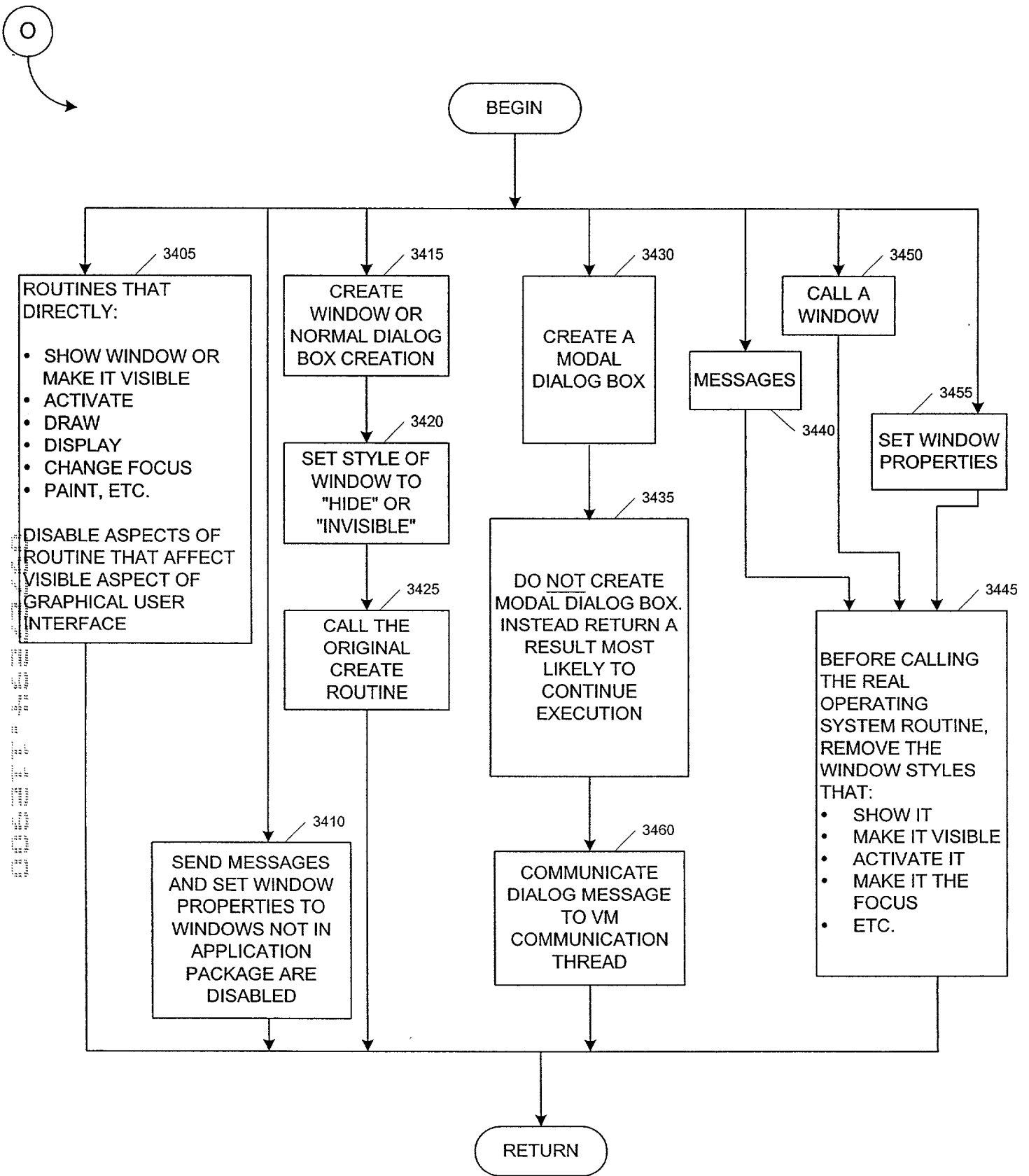


FIG. 34

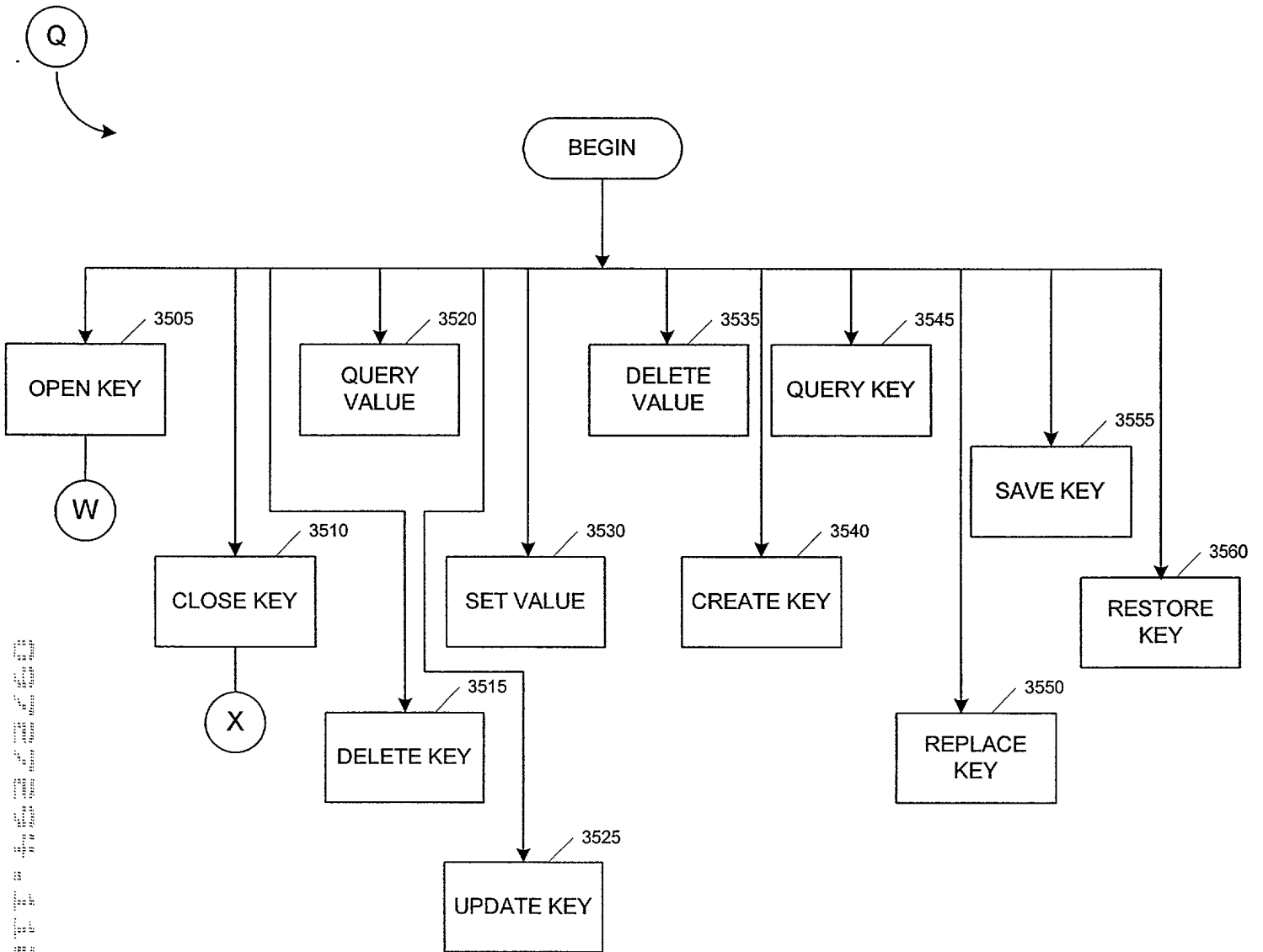


FIG. 35

W

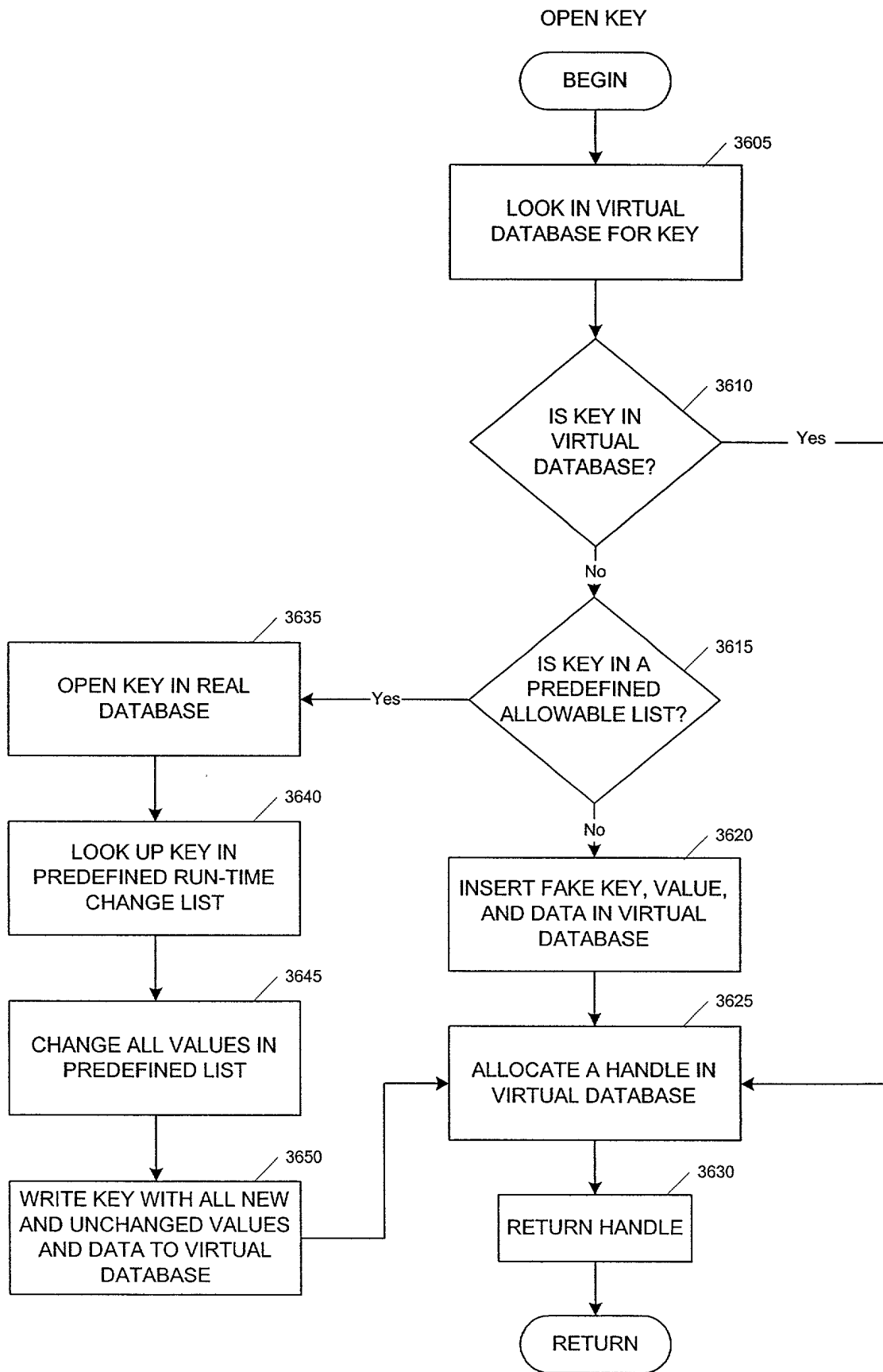


FIG. 36

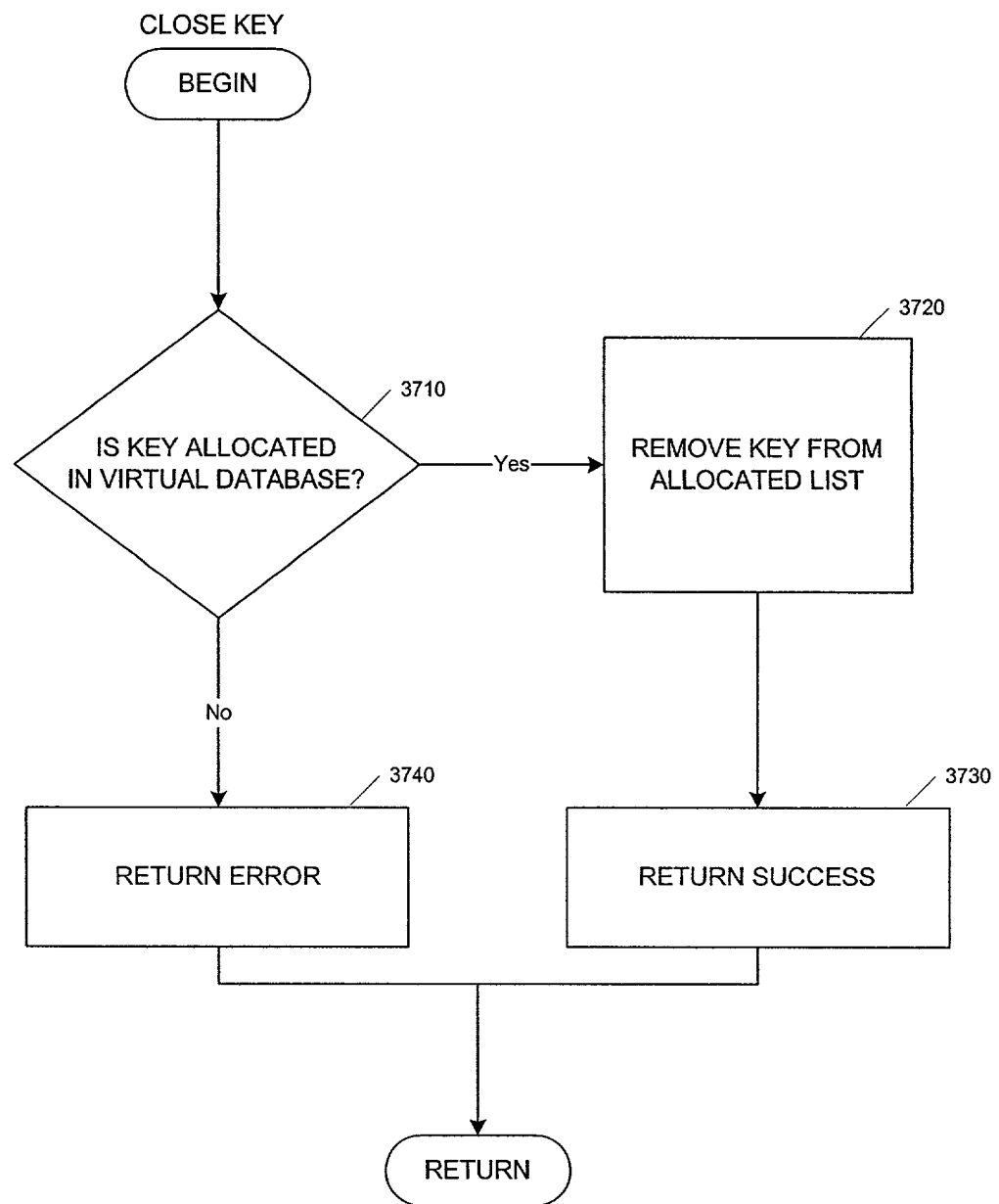
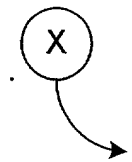


FIG. 37

R

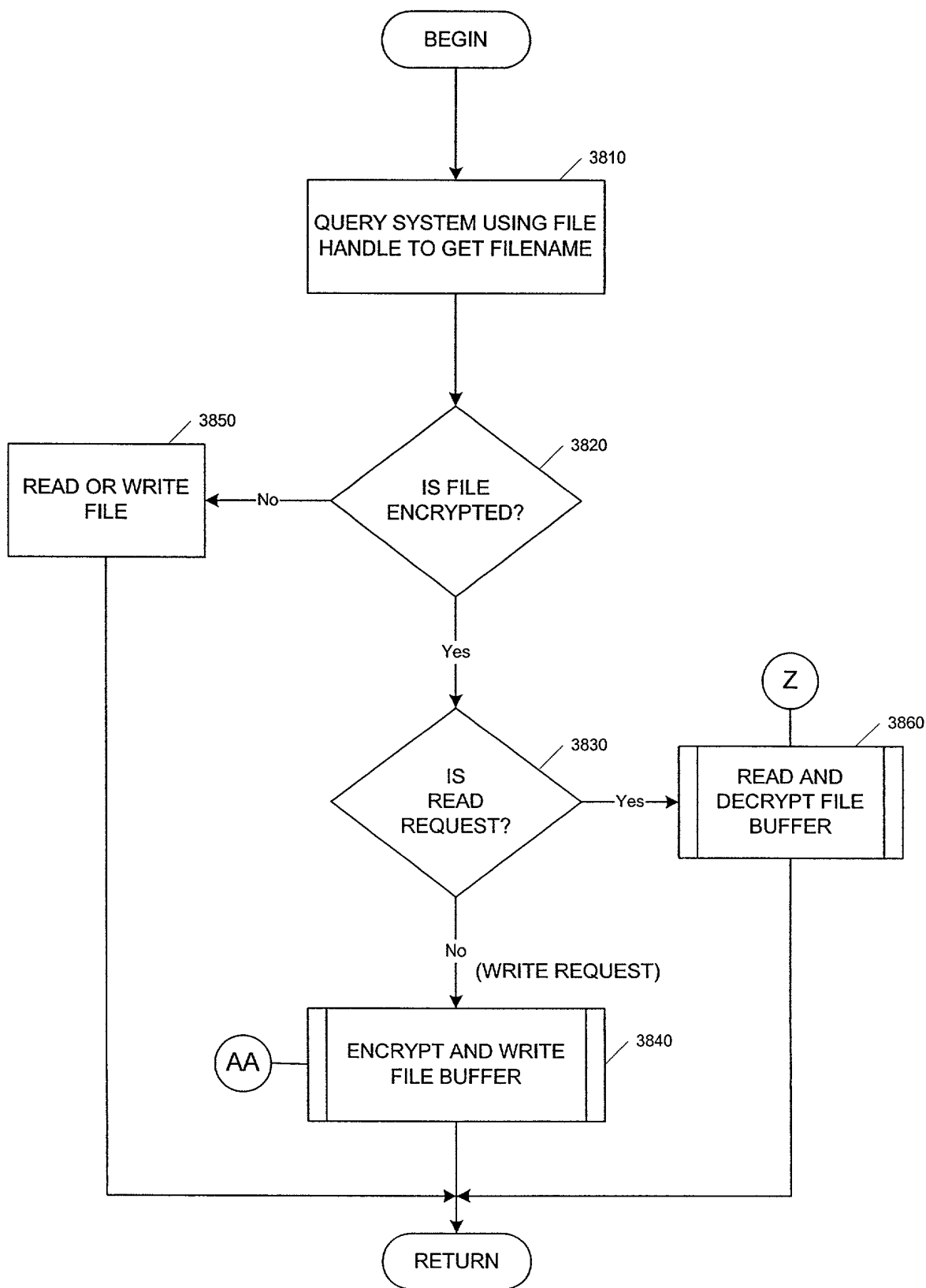


FIG. 38

Z

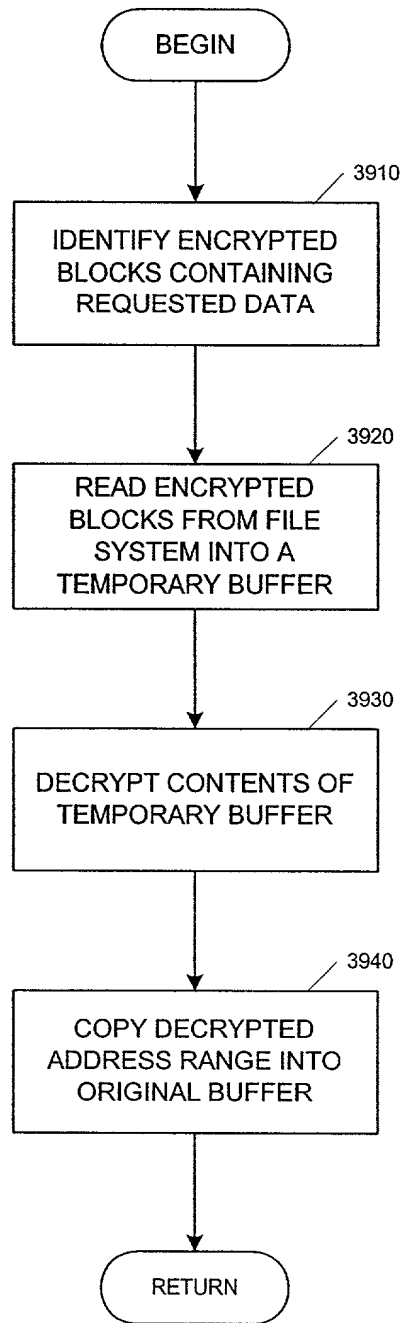


FIG. 39

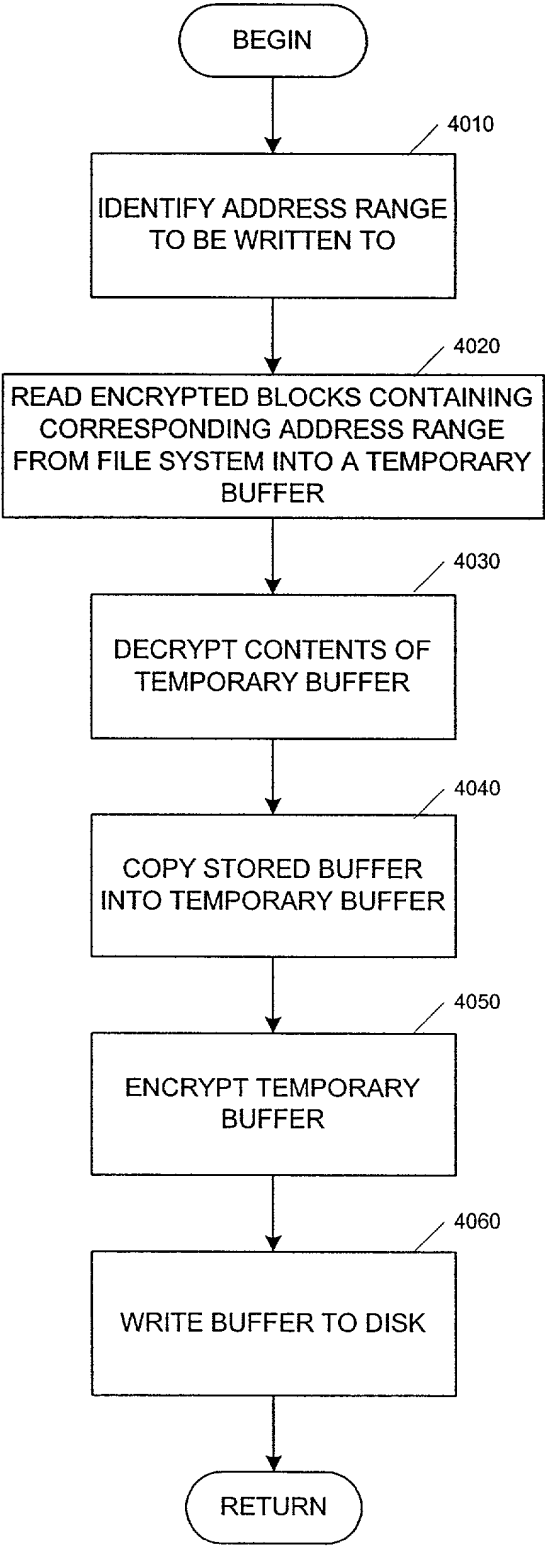


FIG. 40

S

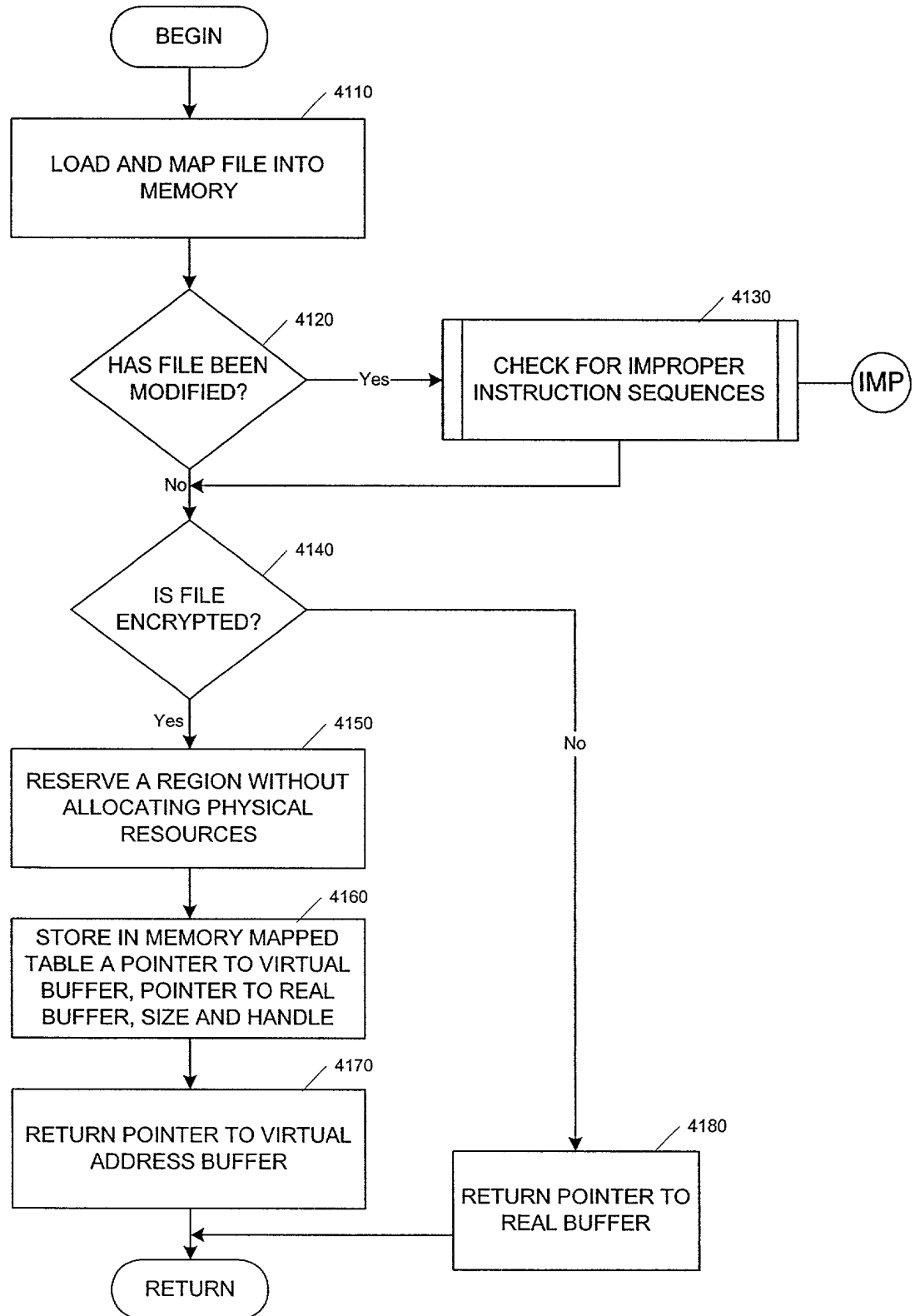


FIG. 41

S
ALTERNATE TO FIG.41)

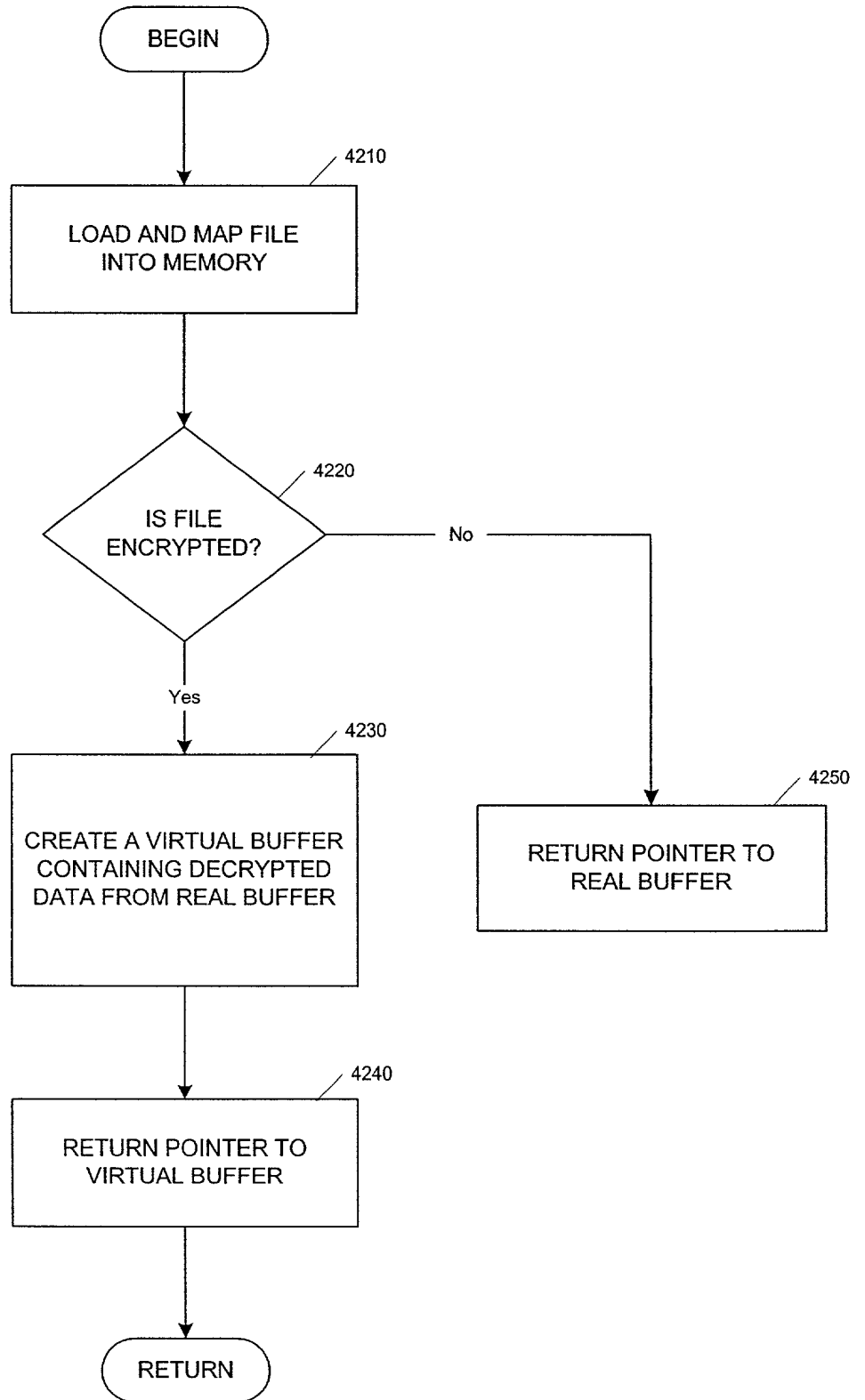


FIG. 42

T

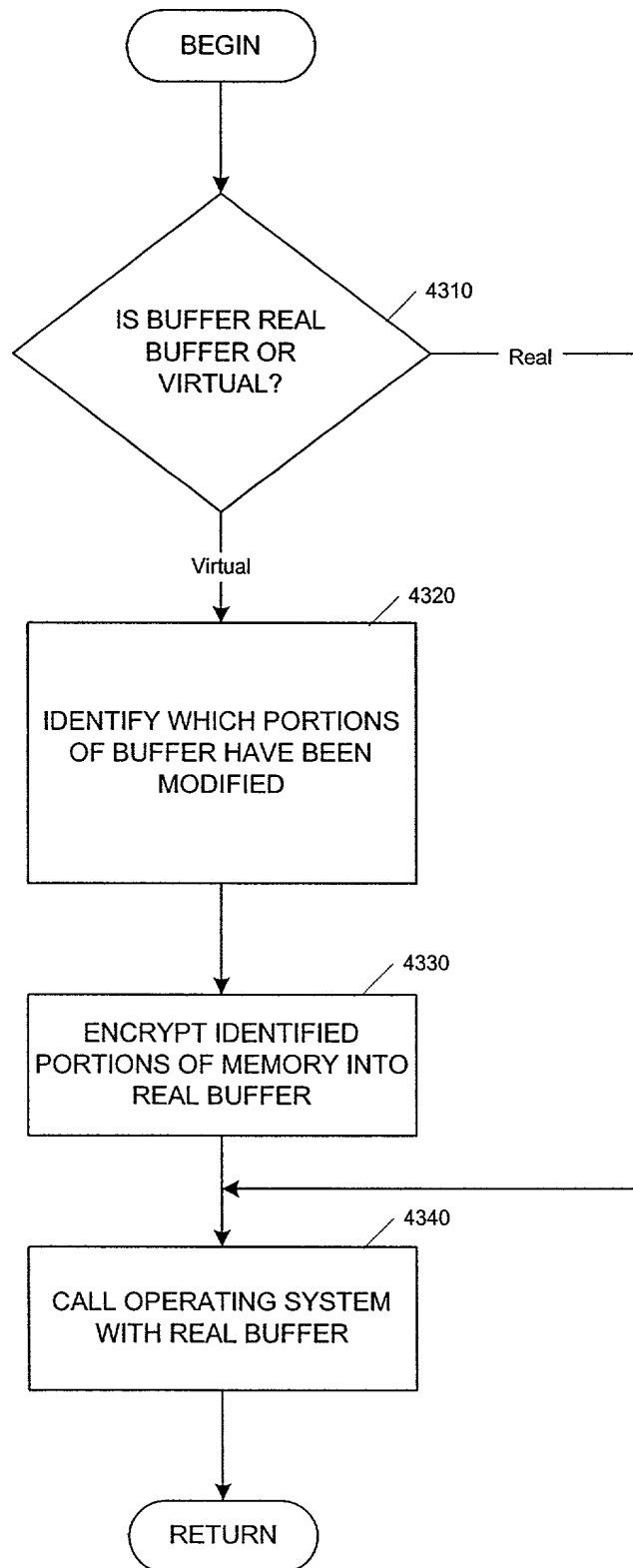


FIG. 43

U

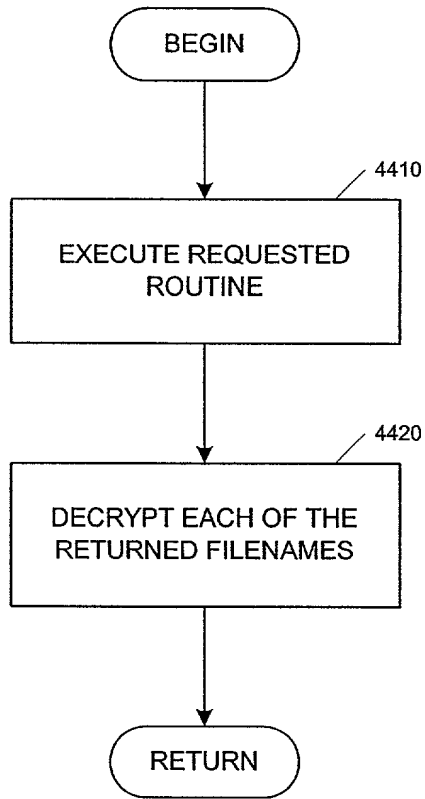


FIG. 44

V

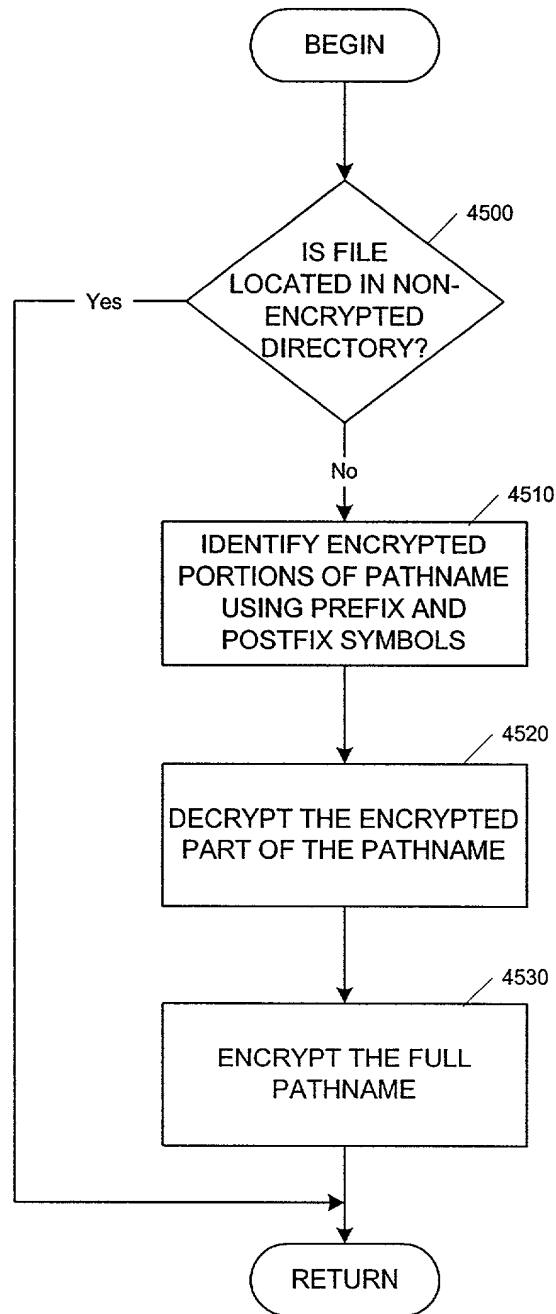


FIG. 45

TRADITIONAL
SYTEM LAYOUT

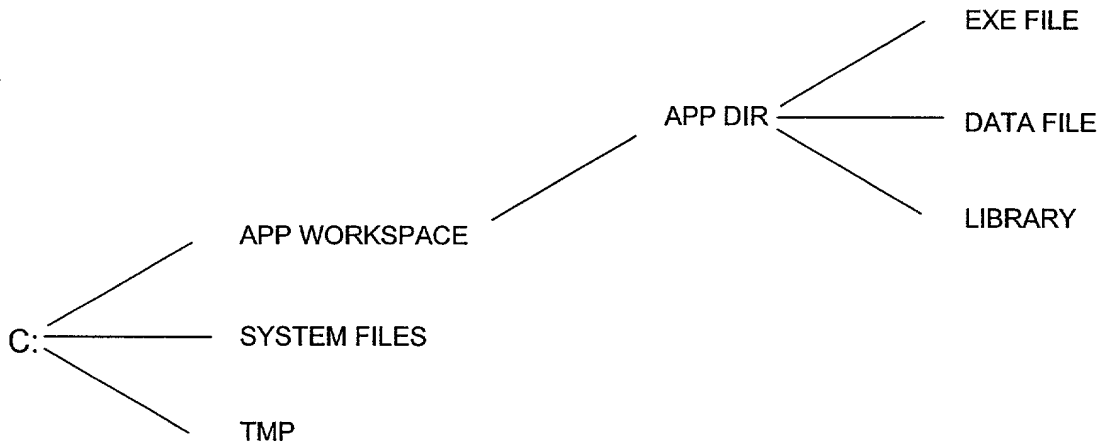


FIG. 46

VIRTUALIZED
SYSTEM LAYOUT

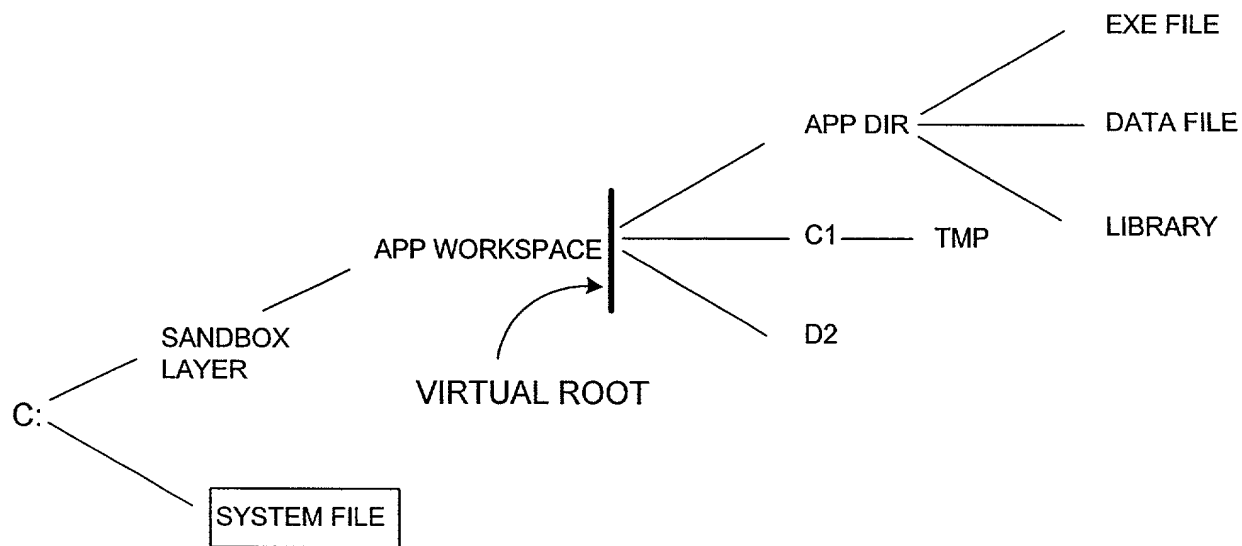
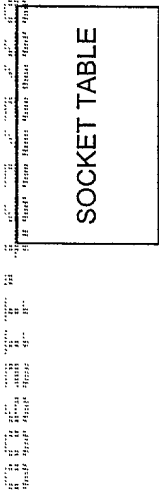


FIG. 47



4804	4812	4816	4820	4824	4828	4832
"ENTRY" LOCAL SOCKET STRUCTURE	REMOTE SOCKET STRUCTURE	SOCKET STATUS	SOCKET OPTIONS	SEND QUEUE	RECEIVE QUEUE	CONNECTION QUEUE

4800

- SOCKET STRUCTURE
- UNIQUE SOCKET ID
 - SOCKET TYPE
 - PROTOCOLS
 - OPTIONS
 - NETWORK ADDRESSES
 - EVENT
 - FAMILY
 - BLOCKING

- SOCKET STATUS
- UNCONNECTED
 - RECEIVING
 - SENDING
 - LISTENING
 - CONNECTED
 - DISCONNECTED
 - TERMINATED
 - SHUTDOWN
 - BOUND
 - CONNECTING

FIG. 48

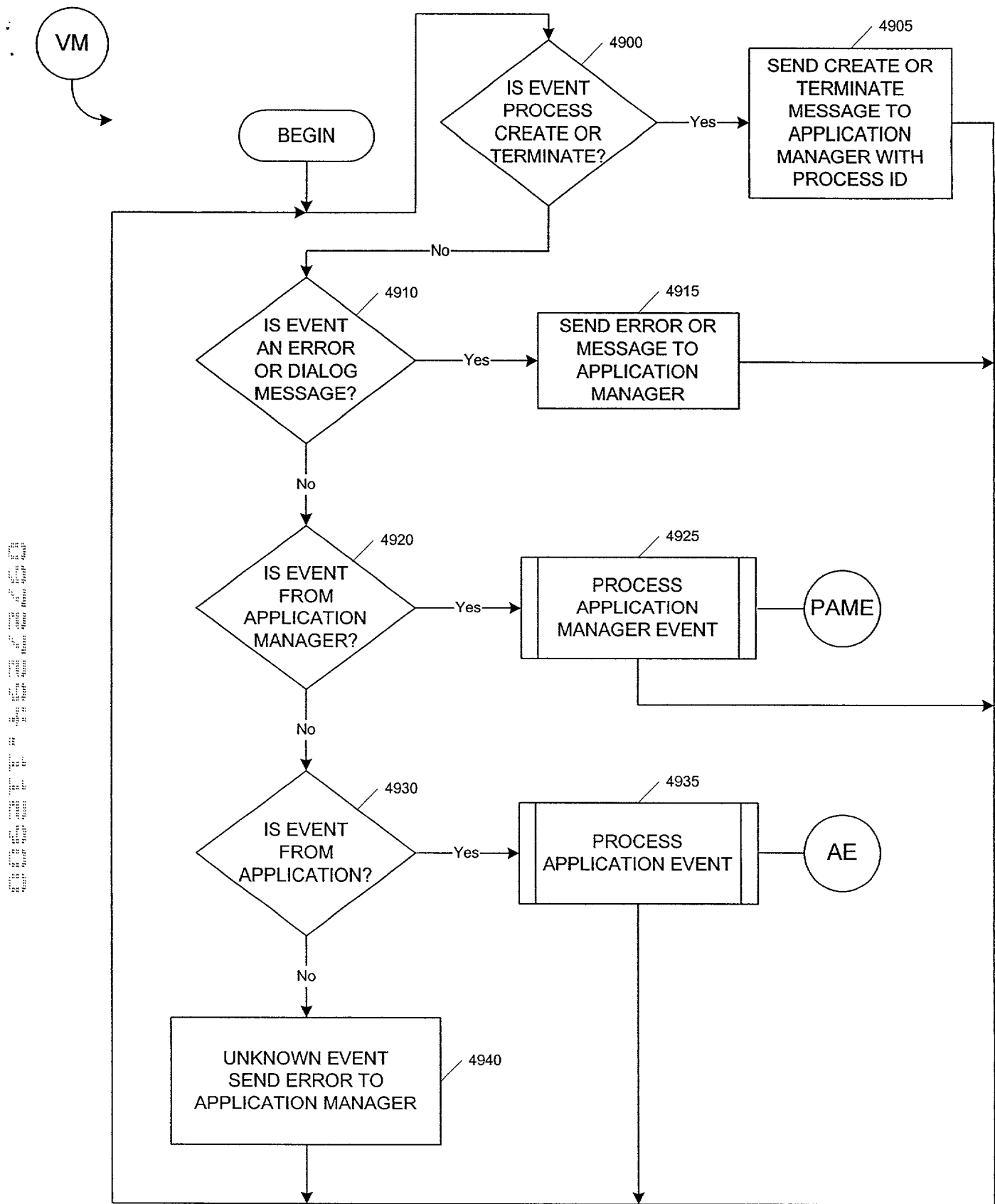


FIG. 49

PAME

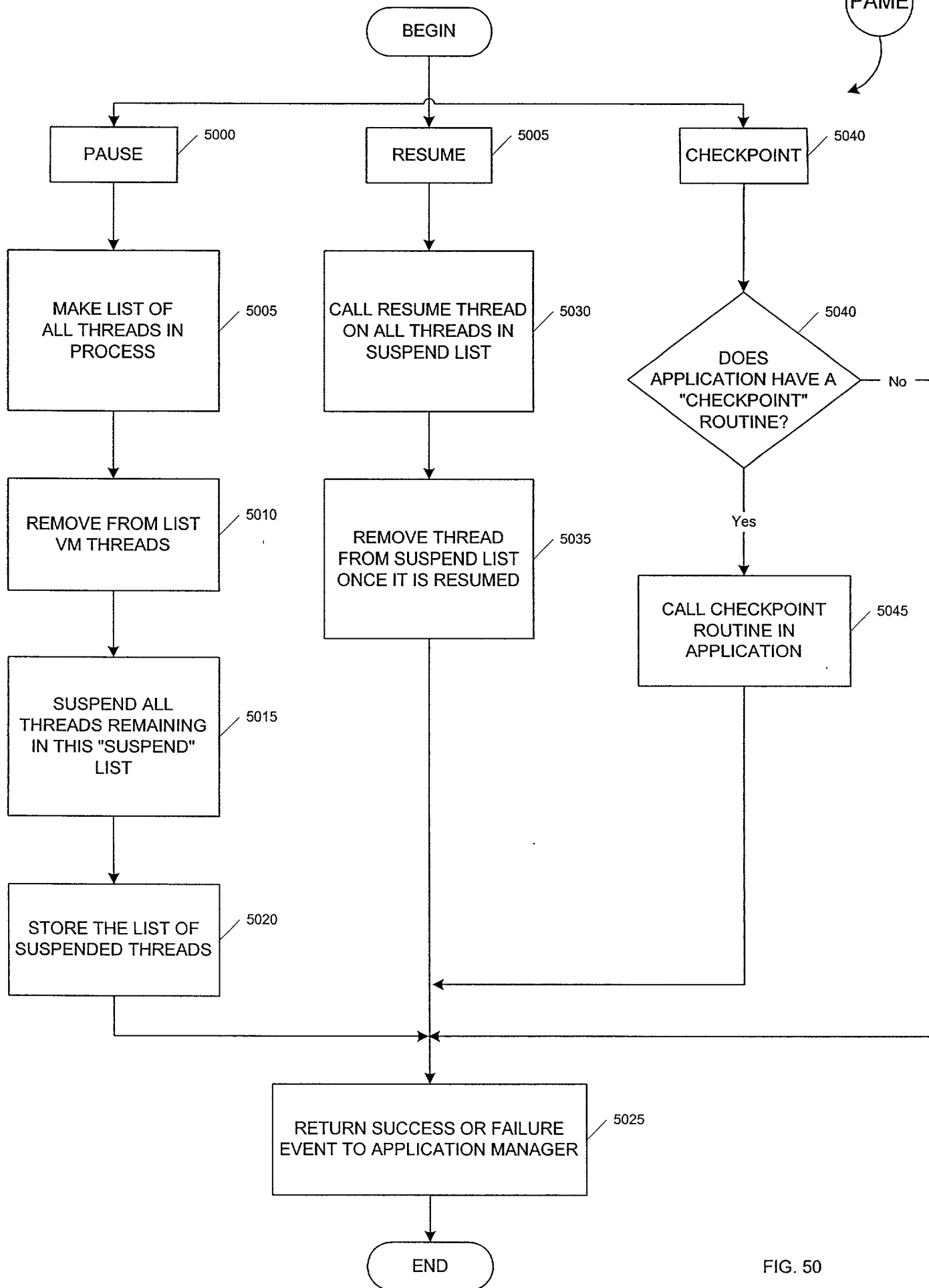


FIG. 50

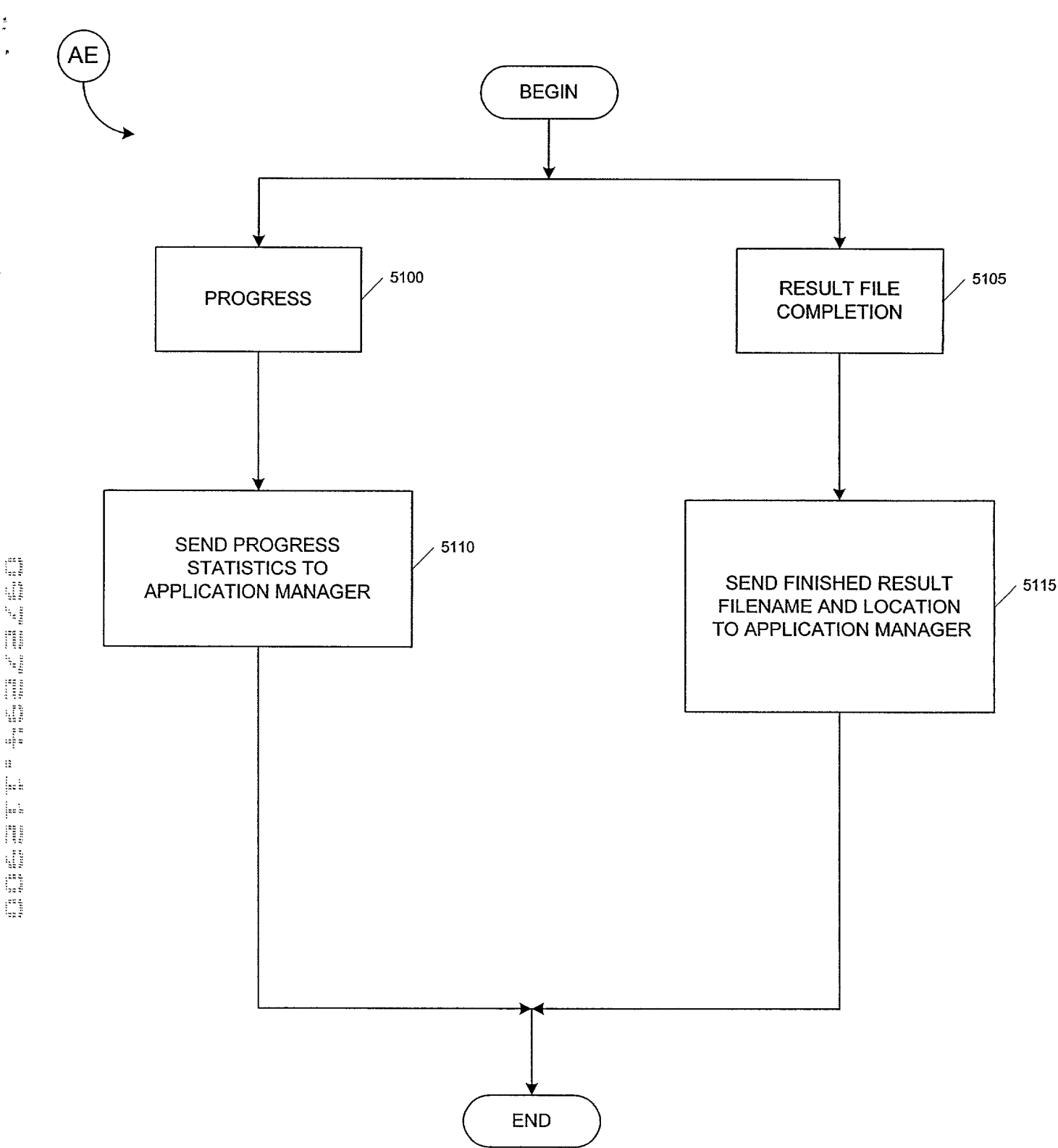


FIG. 51